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ILLINOIS CORN PERFORMANCE TESTS . . . 1937



University of Illinois · Agricultural Experiment Station

Bulletin 440

In cooperation with the Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Illinois State Natural History Survey

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Illinois Corn Performance Tests

1937

By G. H. DUNGAN, R. O. SNELLING, W. J. MUMM, J. H. BIGGER,
and A. L. LANG¹

FOR THE FIRST time in the history of the hybrid corn program, Illinois farmers planted over a million acres of their corn land with hybrid seed in 1937. For the 1938 season it is estimated that 700,000 bushels of hybrid seed will be available, as against 180,000 bushels in 1937, and less than 5,000 for the 1935 planting.

This shift to hybrid corn means that many farmers who formerly selected their seed from fields of open-pollinated corn on their own farms are now depending on purchased seed, and they are finding a large number of hybrids on the market from which to choose, many of which are good, some of which are definitely superior to the better open-pollinated varieties, and still others of which are no better than the open-pollinated varieties.

The field tests reported herein have therefore been made in order to help the farmer to choose those strains of corn that have outstanding merit, and to help the producer in his efforts to develop such strains. They are a part of a corn-improvement program conducted in cooperation with the Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Illinois State Natural History Survey. The data for the three previous years of these tests are reported in Bulletins 411, 427, and 429 of this Station.

SCOPE OF THE TESTS

Three hundred thirty-two different kinds of corn were tested in twenty-one fields in the 1937 tests. Of these, 30 were open-pollinated varieties and 302 were hybrids. These figures represent 106 more hybrids than were included in the 1936 tests and 8 fewer open-pollinated varieties. The open-pollinated varieties were entered by twenty-eight companies and individuals. Twenty-six producers furnished the seed of the hybrids.

In the accompanying tables the entries designated as in the "Regular division" comprize those that may be considered in commercial

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production, 100 bushels or more of seed having been available for planting in 1938 or in previous years. One hundred sixty-eight hybrids and all the open-pollinated varieties come in this class.

Those hybrids of which only small amounts of seed have been produced and which for this reason are not available for commercial planting are grouped in the "Experimental division." A total of 134 hybrids fall in this group.

In each of the seventeen grain-testing fields except Golconda at least five locally adapted open-pollinated varieties were included. The performance of the open-pollinated entries furnishes a standard for evaluating the performance of the hybrids. At Golconda and in the soil-adaptation tests at least one good open-pollinated variety was included to serve as a check.

LOCATION OF FIELDS

The 1937 testing fields were located in the same general areas as in 1935 and 1936, some of them on the same farms. Two new fields were added—one at Brocton in Edgar county, where white hybrids and open-pollinated varieties were tested, and one at Golconda in Pope county in the extreme southern part of the state. The fields were on the whole relatively high in productivity.

The map on the back cover shows the location of the fields. Some general information about them is given in Table 1.

SOIL CHARACTERISTICS OF TESTING FIELDS

In locating the testing fields effort was made to select soil types that occur extensively in the regions of the fields. Furthermore care was used to have each field as nearly uniform as possible in both soil type and drainage conditions. This necessitated the selection of nearly level or gently sloping areas in order to avoid poorly drained or eroded spots. Exceptions were encountered at Alhambra, a permanently located University crop experiment field, which is dotted with numerous small gray areas called "slick spots," and at Golconda, where no field of satisfactory uniformity could be located.

General information on soil type and drainage characteristics, and on acidity, nitrogen, organic-matter, phosphorus, and potassium contents¹ for each testing field is given in Table 2, page 354. Brief management practices are indicated in the last column of this table.

Drainage is described as "rapid," "moderate," and "slow." When applied to the surface, "rapid drainage" indicates a tendency to erode,

¹HERMAN WASCHER, Assistant Chief in the Soil Survey, and GUY D. SMITH, Associate, determined the soil type, uniformity, and physical characteristics of each field. H. J. SNIDER, Assistant Chief in Soil Experiment Fields, made the chemical analyses.

Table 1.—GENERAL INFORMATION: Illinois Cooperative Corn Performance Tests, 1937

Location of field	County	Cooperator	Number of entries	Date planted	Date harvested	Average yield all entries	
						Total	Sound
<i>Performance tests</i>						<i>bu.</i>	<i>bu.</i>
Libertyville...	Lake.....	William L. Rapp.....	62	May 24	Nov. 12	60.6	60.2
Stockton.....	JoDavies...	Homer Curtiss.....	66	May 20, 21	Nov. 16	77.0	76.8
Kings.....	Ogle.....	Elmer Hayes.....	79	May 14	Nov. 15	83.7	83.5
Plainfield.....	Will.....	Raymond Goist.....	65	May 13	Nov. 10	79.4	79.3
Cambridge.....	Henry.....	Earl Collis.....	80	May 17	Nov. 8	114.8	114.3
Henry.....	Marshall.....	Theodore Bogner.....	106	May 15	Nov. 9	85.6	85.2
Dwight.....	Livingston.....	John Hahn.....	81	May 14	Nov. 5	66.7	66.6
Adair.....	McDonough..	Herndon Bros.....	84	May 17	Nov. 3	99.9	99.3
Stanford.....	McLean.....	Victor Brenneman.....	112	May 10	Nov. 1	101.8	101.2
Armstrong.....	Vermilion.....	James Dewey.....	86	May 19	Nov. 23	72.2	72.1
Jacksonville.....	Morgan.....	Everett G. Reynolds.....	80	May 18	Nov. 2	94.4	94.3
Sullivan.....	Moultrie.....	Masonic Home Farm.....	77	May 8	Oct. 29	109.2	108.9
Alhambra.....	Madison.....	Illinois Station, Agronomy.....	68	May 26	Oct. 27	52.2	52.0
Edgewood.....	Effingham.....	F. V. Wilson & Son.....	62	May 24	Oct. 28	12.4	12.3
Brocton.....	Edgar.....	Daniel Thomas.....	42	May 12	Nov. 4	76.0	75.6
Albion.....	Edwards.....	Ernest Schmidt.....	58	May 21	Oct. 25	86.3	85.5
Golconda.....	Pope.....	Fred Bender.....	32	April 27	Oct. 20	65.5	64.9
<i>Soil-adaptation tests</i>							
Sibley.....	Ford.....	Sibley Estate, Farm 41.....	25	May 10	Oct. 22	103.1	102.7
Sibley.....	Ford.....	Sibley Estate, Farm 92.....	25	May 19	Nov. 8	50.4	50.1
Urbana.....	Champaign.....	Illinois Station, S.W. rotation	18	May 8	Nov. 24	94.7	94.5
Urbana.....	Champaign.....	Illinois Station, S.C. rotation	18	May 10	Nov. 26	58.7	58.4

"moderate" indicates satisfactory runoff with minimum erosion, while "slow" indicates practically no natural surface movement. When applied to underdrainage, "rapid" indicates free movement of excess ground water to tile but retention of sufficient moisture for normal plant growth, and "slow" indicates a nearly impervious subsoil.

SEASONAL CONDITIONS

The 1937 growing season was one of the most favorable on record for the development of corn. Excessive rainfall and relatively cool weather at and immediately following the normal planting period caused planting to be delayed in some sections and encouraged the growth of weeds while the corn plants were small, but a slight deficiency following this period enabled most growers to clean their corn-fields of the weeds. The moisture deficiency continued into the summer season in some sections of the state; and while some corn showed need for more moisture, normal growth and development were not greatly interfered with in the major corn-producing sections of the state. Temperatures during this part of the growing season were favorable.

The fall season was favorable to early harvesting and unfavorable for the development of ear rots and damaged corn.

Table 2.—TESTING FIELDS: Soil Characteristics and Management Practices

a—Surface color, and drainage b—Subsoil texture, and underdrainage	pH values — Surface* Subsoil†	Organic matter	Total nitrogen	Available phosphorus — Surface* Subsoil†	Available potassium — Surface* Subsoil†	Previous crops, and soil management
Northeastern						
<i>Libertyville—Saybrook silt loam</i>		<i>perct.</i>	<i>lbs.</i>	<i>lbs.</i>	<i>lbs.</i>	
a—Brown, moderate	5.7*	5.0	4 770	61*	152*	Oats 1935, alfalfa 1936; no treatment, spring-plowed
b—Silty clay loam, moderate	6.6†	...	.....	10†	116†	
Northern						
<i>Stockton—Tama silt loam</i>						
a—Light brown, moderate to rapid	6.5*	2.5	2 920	13*	112*	Alfalfa 6 years; limed, spring-plowed
b—Clayey silt loam, moderate	5.5†	...	.....	230†	176†	
<i>Kings—Muscatine silt loam (light)</i>						
a—Brown, moderate	5.5*	2.6	3 250	23*	212*	Oats 1935, alsike 1936; no treatment, fall-plowed
b—Silty clay loam, moderate	5.5†	...	.....	225†	250†	
<i>Plainfield—Brenton silt loam, and silty clay loam</i>						
a—Dark brown, slow to moderate	6.8*	5.8	6 080	30*	175*	Oats 1935, sweet clover 1936; no treatment, fall-plowed
b—Silty clay loam, moderate	7.1†	...	.....	450†	50†	
North-central						
<i>Cambridge—Muscatine silt loam</i>						
a—Brown, moderate	5.6*	2.9	3 460	20*	200*	Oats 1935, sweet clover 1936; limed, fall-plowed
b—Silty clay loam, moderate	5.9†	...	.....	240†	213†	
<i>Henry—Muscatine silt loam</i>						
a—Brown, moderate	5.7*	3.3	3 160	15*	165*	Sweet cl. red cl. 1935, corn 1936; no treatment, spring-plowed
b—Silty clay loam, moderate	7.0†	...	.....	167†	159†	
<i>Dwight—Elliott silty clay and clay loam</i>						
a—Black, slow to moderate	5.7*	4.2	4 960	500*	234*	Alfalfa 1934, corn 1935, 1936; limed, phosphated, spring-plowed
b—Clay loam, moderate	6.7†	...	.....	105†	90†	
Central						
<i>Adair—Muscatine silt loam</i>						
a—Brown, moderate	5.8*	5.0	4 980	58*	131*	Clover 1934, 1935, corn 1936; no treatment, spring-plowed
b—Silty clay loam, moderate	6.6†	...	.....	362†	86†	
<i>Stanford—Drummer clay loam and Floyd silt loam</i>						
a—Black to brown, slow	5.1*	5.0	4 500	240*	600*	Alfalfa 1935, 1936; phosphated, fall-plowed
b—Clay loam, moderate	5.9†	...	.....	40†	500†	
<i>Armstrong—Elliott silt loam</i>						
a—Brown, moderate	6.8*	...	.....	250*	...	Corn 1935, oats 1936; limed, phosphated, fall-plowed
b—Clay loam, slow	5.9†	...	.....	25†	...	
<i>Breton—Drummer clay loam</i>						
a—Black, slow	5.3*	7.2	5 800	150*	328*	Small grain 1936; spring-plowed
b—Clay loam, moderate	6.2†	...	.....	180†	171†	
South-central						
<i>Jacksonville—Muscatine silt loam</i>						
a—Brown, moderate	5.9*	3.4	3 700	23*	180*	Sweet-clover pasture, 4 years; limed, fall-plowed
b—Silty clay loam, moderate	6.2†	...	.....	15†	124†	
<i>Sullivan—Floyd silt loam</i>						
a—Brown, moderate	5.7*	3.3	3 700	12*	155*	Alfalfa 5 years, corn 1936; limed, fall-plowed
b—Silty clay loam, moderate	6.5†	...	.....	15†	166†	
Southern						
<i>Alhambra—Putnam silt loam (slick spots)</i>						
a—Brown-gray, slow	6.8*	...	.....	High*	...	Good rotation; limed, phosphated
b—Clay, very slow	4.8†	...	.....	Low†	...	
<i>Edgewood—Cienega silt loam</i>						
a—Gray, slow	4.8*	1.7	2 040	13*	40*	Pasture 8 years, corn 1936; limed, spring-plowed
b—Clay, very slow	4.8†	...	.....	35†	190†	
Southeastern						
<i>Albion—Patton clay loam</i>						
a—Grayish black, slow	6.5*	2.7	3 640	297*	139*	Corn 1935, oats, sw. cl. 1936; limed, spring-plowed
b—Clay loam, slow	6.9†	...	.....	575†	120†	
Extreme south						
<i>Goconda—Raccoon silt loam and Unity fine sandy loam</i>						
a—Gray, yellow-gray, slow to moderate	6.8*	1.3	2 200	20*	98*	Alfalfa 4 years, corn 1936; limed, spring-plowed
b—Silt loam to sandy clay loam, slow	5.6†	...	.....	200†	143†	

*†These symbols are used to remind the reader that the first figure in these columns refers to surface conditions, the second to sub-surface conditions.

INSECT PROBLEMS

Only a moderate amount of damage was caused by insects in most of the corn-performance fields in 1937. Chinch bugs and the southern corn rootworm were responsible for most of the losses. Very little damage was done by grasshoppers, cutworms, and wireworms.

On the Alhambra and the Edgewood fields chinch bugs were present in devastating numbers and were chiefly responsible for the relatively low yields obtained there. On these two fields the reaction of the different strains of corn to chinch bug attack was so marked that fairly accurate estimates of the relative degree of damage could be obtained. These estimates, while not conclusive, are sufficiently accurate to warrant the attention of corn producers in the area commonly infested with chinch bugs. These estimates of the degree of chinch bug damage were made on September 16, in three replications, and are shown in Table 8, pages 385 to 388.

The southern corn rootworm was chiefly responsible for the lodging that occurred during the 1937 season. Many plants were examined in early August when lodging occurred, and all the lodged plants had roots that had been damaged by the rootworm. A count was made of this type of lodging at Cambridge, Adair, Stanford, Brocton, and Albion. For most entries 2 to 4 replications were counted in each of these fields. The results are reported in Tables 5 and 6 and 9 and 10 as "Midseason lodging due to rootworm."

The relation of the data on midseason lodging due to rootworm, and the figures showing the rating for erect plants and the percentage of erect plants, should be kept clear. The data on erect plants take into account both uprooting and stalk breaking but not midseason lodging that was followed by a certain amount of recovery. At harvest time most of these plants had recovered to a rather erect position under the favorable growing conditions that prevailed.

Some rootworm damage occurred in a few fields other than those just mentioned. Determination of the extent of the damage was complicated, however, by other lodging factors, and for that reason no attempt was made to record the lodging that was due to rootworm.

METHOD OF PLANTING

The methods of conducting the 1937 tests were similar to those used in former years. In order that the trials might be carried on under actual farm conditions, all plots were located within a larger cornfield. The test corn was planted by hand on the same day or soon after the rest of the field was planted. The rows were joined with those of the surrounding corn so that the test plots could be cultivated along with the rest of the field.

On most fields each entry (variety or hybrid) occupied 10 plots, each plot being 12 hills long and 2 rows wide. At Brocton the plots were 8 hills long instead of 12. When the number of entries was too large for the field, the number of plots of some entries was reduced to five. The entries were arranged in the controlled random order, as described in Bulletin 427. With only a few exceptions all plots of each entry were harvested and the yield of grain from each plot included in determining performance ratings.

MEASURING PERFORMANCE OF ENTRIES

The entries in 1937 were rated, as in 1935 and 1936, according to two measures of performance—erect plants at harvest (lodging resistance) and yield of sound corn.

Erect Plants. At the time of harvest each plot on the field was examined and the percentage of erect plants estimated. The percentage of erect plants for a given entry was then computed from the estimates of all the replications of that entry. The *rating* for erect plants (relative lodging resistance) is the ratio, expressed as percentage, of the percentage of erect plants for that entry to the average percentage of erect plants for all the entries on the field.

Sound Corn. The entire yield from one replication of each entry was shelled to determine shelling percentage. The corn was shelled on the day it was husked, except at Golconda, where it was shelled the day after husking. All the shelled corn from a plot was poured thru a divider and a representative sample, consisting of one-eighth of the original quantity, taken. This sample was divided into two lots, one of which was used for a moisture test and the other dried and reserved for a determination of damaged corn.

The sample saved for the moisture test was preserved in a moisture-tight fruit jar. The moisture determinations were made with a Tag-Heppenstall moisture meter within a few days after the samples were taken. The percentage of damaged corn was determined according to the Federal Grain Grade standards.

The total acre-yield was calculated as shelled corn carrying 15.5 percent moisture, the upper limit allowable for No. 2 corn. The yield of sound corn was computed by deducting the amount of damaged corn from the total yield.

The rating on sound yield of an entry is the ratio, expressed as percentage, of the yield of sound corn for that entry to the average yield of sound corn for all the entries on the field.

General Performance Rating. In computing the general performance rating of an entry, the ratings for erect plants and sound corn were averaged, but the sound-corn rating was given three times

the weight of the rating for erect plants since differences in yield are more important than differences in resistance to lodging.

When two or more entries tied in performance rating, the ties were given the same numerical ranking but they are listed in the order of their descending yield of sound corn.

Small Differences Not Significant. All interested in the results of these corn tests are warned against attaching undue importance to small differences in the rank or the yield of various entries. Many people are inclined to give entirely too great weight to the exact placing of an entry, especially if it happens to hold first position in a table, not realizing to what extent *chance* enters into such placing. In fairness to the many good entries in the tests this year, and every year, it should be pointed out that a difference of a bushel in yield, for instance, or of 3 or 4 percent in general performance rating, is not nearly large enough to prove conclusively that one entry is better than another. While the amount of difference necessary to indicate true superiority or inferiority will vary from field to field, depending upon the number of times an entry is replicated on the field, the general level of yield on the field, and the extent to which the yields of the various replications of the entry varied, it may be said that in these tests a difference of 6.5 bushels between two entries replicated 10 times, or a difference of 10 bushels between two entries each replicated 5 times, or of 8.5 bushels between two entries one of which is replicated 10 times and one 5 times, would be somewhere near the border line between a chance and a significant difference.

In the sectional averages, where entries from two or three fields are brought together, differences roughly two-thirds as large as those indicated above for the individual fields would be considered on the border line of significance.

Readers should keep these facts in mind when passing judgment on the entries in these tests.

1937 RESULTS IN GRAIN TESTS

In the northern Illinois tests, at Stockton, Kings, and Plainfield, the five best hybrids exceeded the five best open-pollinated varieties by 16.9 in percentage¹ of erect plants and by 13.9 bushels of sound corn per acre. In general performance rating 58 hybrids were above and 3 below the five best open-pollinated varieties.

In north-central Illinois, at Cambridge, Henry, and Dwight, the five best hybrids exceeded the five best open-pollinated varieties by 30.6 in percentage of erect plants and by 14.5 in bushels of sound

¹Thruout this discussion on results, the differences cited in percentages are the result of merely subtracting one percentage from the other.

corn. In general performance all 73 hybrids proved superior to the five best open-pollinated varieties.

In central Illinois, at Adair, Stanford, and Armstrong, the five best hybrids exceeded the five best open-pollinated varieties by 23.2 in percentage of erect plants and by 14.3 in bushels of sound corn. In general performance 78 hybrids ranked above and only one below the five best open-pollinated varieties.

In south-central Illinois, at Jacksonville and Sullivan, the five best hybrids exceeded the five best open-pollinated varieties by 31.5 in percentage of erect plants and by 15.4 in bushels of sound corn. In general performance 68 hybrids ranked above and none fell below the five best open-pollinated varieties.

In southern Illinois, where seasonal conditions and insect numbers were somewhat unfavorable for corn production, and where the central Illinois hybrids are not so well adapted, the five best hybrids exceeded the five best open-pollinated varieties by 17.2 in percentage of erect plants and by 4.5 in bushels of sound corn. In general performance only 39 of the 54 hybrids were superior to the five best open-pollinated varieties.

The average for *all five sections of the state* showed the five best hybrids 23.9 points above the five best open-pollinated varieties in percentage of erect plants and 12.5 bushels higher in yield of sound corn.

The above statements are based on data in Tables 4 to 8, pages 364 to 388. In addition to the grain tests reported in these tables, others were made in northeastern Illinois near Libertyville, in southeastern Illinois near Albion, and in the extreme southern part of the state near Golconda. White corn hybrids and open-pollinated varieties were tested near Brocton, in central Illinois.

The Libertyville field (Table 3, page 363) is representative of the lake-breeze area of the state. Earliness, or capacity to grow in cool weather, is a characteristic of adapted varieties in this region. Of the 61 entries on this field, 55 proved superior to the average of the five best open-pollinated varieties. The five best hybrids excelled the five best open-pollinated varieties by 24.4 in percentage of erect plants and by 14.4 in bushels of sound corn. The moisture content of the grain at harvest was higher on the Libertyville field than on any other test field in the state.

At Albion, representing the productive bottomland soils of southeastern Illinois (Table 10, page 390), the five best hybrids proved superior to the five best open-pollinated varieties by 29.7 in percentage of erect plants and by 10.8 bushels in yield of sound corn. All the hybrid entries except two ranked above the average of the five best open-pollinated varieties in general performance rating.

The Golconda field (Table 11, page 391) is located on silt and

fine sandy loam bottomland soil of the Ohio river basin. Because of its apparent irregularity in productivity a check variety, St. Charles White, was planted in every seventh plot. Five plots of the other entries were grown and each was compared with the nearest plot of St. Charles White. In percentage of erect plants St. Charles White exceeded the average of the five best hybrids by 14.0, but it fell below the five best hybrids by 16.6 bushels in yield of sound corn. Only three hybrids exceeded St. Charles White in percentage of erect plants, but all 31 other entries were superior to St. Charles White in yield of sound corn.

At Brocton, in central Illinois, where white hybrids and varieties were in test, 25 hybrids excelled the five best open-pollinated varieties. The five best hybrids produced an average of 8.7 bushels more of sound corn than the five best open-pollinated varieties, and in percentage of erect plants they exceeded the five best open-pollinated varieties by 16.8 points. For the Brocton data see Table 9, page 389.

RESULTS IN SOIL ADAPTATION TESTS

As in the previous seasons, the better hybrids demonstrated that their superiority in yield over open-pollinated varieties is greater on highly fertile soils than on less fertile soils. Most striking in this respect were the yields from the two fields at Sibley. On the field of high productivity, Farm 41, the average yield of sound corn for all entries was 102.7 bushels an acre, or 8.2 bushels more than Station Yellow Dent, an open-pollinated variety. The five highest yielding hybrids on this area were 16.4 bushels above Station Yellow Dent, with an average of 110.9 bushels of sound corn. The average yield of all entries on the field of low productivity, Farm 92, was 50.1 bushels of sound corn, or only one bushel more than Station Yellow Dent. The five best hybrids on Farm 92 were 8.1 bushels better than Station Yellow Dent.

At Urbana also the average yields of all entries were widely different for the two levels of productivity, tho the difference between the five highest hybrids and Station Yellow Dent was not very different for the two areas.

The detailed results in these soil-adaptation tests are given in Tables 12 and 13, pages 392 and 393.

In the Sibley test the less fertile area was a poor grade of Elliott silt loam, somewhat eroded and very gray. The highly productive area was on Drummer clay loam. The two areas selected for the test at Urbana differed in productive capacity as a result of the long-continued use of different cropping systems. Corn, oats, clover, and wheat, with a clover catch crop in the wheat, make up the Southwest rotation. Corn, corn, corn, and soybeans constitute the South-Central

rotation. Slightly more limestone has been applied to the Southwest rotation; otherwise the supplementary treatments on these two areas have been very similar.

Uniformly favorable seasonal conditions prevailed, for the most part, in these areas in 1937. The two Sibley fields were favored by slightly better moisture conditions; but Farm 41, the highly productive area, was subjected to a devastating wind storm in late summer which caused severe lodging of some entries.

TWO-YEAR RESULTS IN GRAIN TESTS

The two-year summaries on pages 394 and 395, taken with the complete tables for 1936 and 1937, reflect the rapid changes that are being made in hybrid corn production, many of the entries for the 1936 tests not being resubmitted for the 1937 tests apparently because they did not offer sufficient promise.

The 14 hybrids that have been entered in the northern Illinois tests in both 1936 and 1937 have all exceeded the average of the five best open-pollinated varieties in percentage of erect plants and yield of sound corn. Their superiority in yield of sound corn ranged from 17.5 bushels for the highest yielding hybrid to 7.3 for the lowest yielding hybrid. In percentage of erect plants the best and the poorest hybrids exceeded the average of the five best open-pollinated varieties by 21.6 and 5.3 points respectively.

In north-central Illinois the 23 hybrids that have been in the tests both years have all proved superior to the open-pollinated varieties. The highest and the lowest yielding hybrids exceeded the average of the five best open-pollinated varieties by 15.6 and 3.7 bushels, respectively, of sound corn per acre. The superiority of the best hybrid, in percentage of erect plants, was 26.7 and of the poorest hybrid 4.4.

Similarly in central Illinois all 23 hybrids exceeded the average of the five best open-pollinated varieties in general-performance rating. The highest yielding hybrid exceeded by 14.4 bushels, and the lowest yielding hybrid just equaled, the average of the five best open-pollinated varieties. In percentage of erect plants the best and the poorest hybrids exhibited a range of 27.2 to 2.3 in their superiority over the average of the five best open-pollinated varieties.

Only eight hybrids are represented in the two-year average in south-central Illinois, and here again all exceeded the five best open-pollinated varieties in general-performance rating. Their range of superiority in sound-corn yield was 14.6 to 1.8 bushels and their range of superiority in percentage of erect plants was 16.9 to 12.1.

CONTRIBUTORS OF SEED FOR 1937 TESTS

<i>Entry</i>	<i>Contributor</i>	<i>Address</i>
Bear Hybrids.....	A. Linn Bear.....	Decatur
Beckerle Yellow Dent.....	Elmer Beckerle.....	Columbia
Blackhawk.....	Oliver C. Thurnau.....	Highland
Bunning White Dent.....	Henry Bunning.....	Moweaqua
Canterbury Yellow Dent.....	C. E. Canterbury.....	Cantrall
Champion White Pearl.....	F. V. Wilson and Son.....	Edgewood
DeKalb Hybrids.....	DeKalb Agr. Assoc.....	DeKalb
Doubet Yellow Dent.....	E. W. Doubet.....	Hanna City
Eckhardt Western Plowman.....	W. G. Eckhardt.....	DeKalb
Eversole White Dent.....	J. H. Eversole.....	Champaign
Funk Hybrids G5, G6, G9-G95, 212, 235-244T.....	Funk Bros. Seed Co.....	Bloomington
Funk Hybrid G8 (Golden).....	Claire Golden.....	Cordova
Funk Hybrid 207 (Columbiana).....	Columbiana Farms.....	Eldred
Funk Hybrid 220L (Smith).....	John T. Smith and Sons.....	Champaign
Gunn Western Plowman.....	DeKalb Agr. Assoc.....	DeKalb
Helms Yellow Dent.....	Lester Helms.....	Belleville
Huebsch Murdock.....	L. A. Huebsch and Son.....	Mundelein
Illinois Hybrids 28-156, 316-318, 384- 538, 582-587, 650-710, 754-1094.....	Illinois Station.....	Urbana
Illinois Hybrid 172 (Moews).....	B. E. Moews.....	Granville
Illinois Hybrids 360, 360A, 366 (Pfister-Stiegelmeier).....	Lester Pfister..... and H. L. Stiegelmeier.....	El Paso Normal
Illinois Hybrid 360A (Crow).....	Crow Hybrid Corn Co.....	Milford
Illinois Hybrid 368 (Pfister- Lazier).....	Lester Pfister..... and G. A. Lazier.....	El Paso Rochelle
Illinois Hybrid 384 (Hahn).....	John Hahn.....	Dwight
Illinois Hybrid 384 (Morgan).....	Morgan Brothers.....	Galva
Illinois Hybrid 543 (Shissler).....	Harold Shissler.....	Elmwood
Illinois Hybrid 546 (McKeighan).....	J. L. McKeighan.....	Yates City
Illinois Hybrids 546, 570, 582, 960 (Morgan).....	Morgan Brothers.....	Galva
Illinois Hybrids 588, 753 (Sibley Estate).....	Sibley Estate.....	Sibley
Illinois Hybrid 751 (Golden).....	Claire Golden.....	Cordova
Illinois Hybrid 751 (Webb).....	Russell Webb.....	Plainfield
Illinois Hybrid 960 (Holmes).....	Charles Holmes.....	Edelstein
Indiana Hybrids.....	Indiana Station.....	LaFayette, Ind.
Iowa Hybrid 939 (Crow).....	Crow Hybrid Corn Co.....	Milford
Iowa Hybrid 3215.....	Iowa Station.....	Ames, Iowa
Iowa Hybrids.....	Michael-Leonard Seed Co.....	Chicago
Kansas Hybrids.....	Kansas Station.....	Manhattan, Kans.
Kentucky Hybrids.....	Kentucky Station.....	Lexington, Ky.
Krug.....	Krug Brothers.....	Minonk
Leaming.....	H. C. Neville.....	Harrisburg
Maland Yellow Dent.....	John Maland.....	Leland
McKeighan Yellow Dent.....	J. L. McKeighan.....	Yates City
Moews Hybrids.....	B. E. Moews.....	Granville
Moore Yellow Dent.....	Illinois Station.....	Urbana
Morgan Hybrids.....	Morgan Brothers.....	Galva
Mountjoy Utility Dent.....	Oscar Mountjoy.....	Atlanta
National Hybrids.....	National Hybrid Corn Co.....	Anamosa, Iowa
Pfister Hybrids.....	Lester Pfister.....	El Paso
Pfister-Stiegelmeier Hybrids.....	Lester Pfister..... and H. L. Stiegelmeier.....	El Paso Normal
Pioneer Hi-Breds.....	Pioneer Hi-Bred Corn Co.....	Princeton
Rice White Dent.....	J. R. Rice.....	Blue Mound
Roeschley Yellow Dent.....	Leo Roeschley.....	Graymont
Sager Hybrid.....	Guss Sager.....	Kell

<i>Entry</i>	<i>Contributor</i>	<i>Address</i>
St. Charles White.....	E. H. Isenberg.....	Kauffman
Shuman Golden Beauty.....	Charles Shuman.....	Sullivan
Simmons Will County Favorite.....	C. J. Simmons.....	Stockton
Station Yellow Dent.....	Illinois Station.....	Urbana
Thomas White Dent.....	Daniel Thomas.....	Brocton
U. S. Hybrids 44-65 (Moews).....	B. E. Moews.....	Granville
Waddell Utility Dents.....	Elmer Waddell.....	Taylorville
Webb Will County Favorite.....	Russell Webb.....	Plainfield
Wilson Yellow Dent.....	Edward Wilson.....	Winchester
Wisconsin Hybrids.....	Wisconsin Station.....	Madison, Wis.

PEDIGREES OF ILLINOIS AND U. S. HYBRIDS

Following is a list of the pedigrees of those Illinois and U. S. hybrids appearing in the 1937 tests that are made up of released lines or lines that may be released.

<i>Hybrid No.</i>	<i>Pedigree</i>	<i>Hybrid No.</i>	<i>Pedigree</i>
Ill. 28.....	(R4 x Hy) (N14 x SG)	Ill. 651.....	(5676 x 90) (4451 x 5120)
Ill. 46.....	(4226 x 5675) (R4 x Hy)	Ill. 653.....	(4226 x R4) (4451 x 5120)
Ill. 48.....	(R4 x 317) (Hy x 4211)	Ill. 657.....	(4226 x 2204) (4451 x 4211)
Ill. 60.....	(5120 x 2204) (R4 x 317)	Ill. 659.....	(A x CC5) (4451 x 4211)
Ill. 66.....	(5678 x 5120) (R4 x 317)	Ill. 660.....	(CC5 x CC7) (4451 x 4211)
Ill. 110.....	(38-11 x Kys) (Tr x 317)	Ill. 661.....	(CC5 x CC7) (4226 x 2204)
Ill. 111.....	(R4 x Kys) (Tr x 317)	Ill. 663.....	(4451 x 90) (4226 x 2204)
Ill. 113.....	(My x Kys) (Tr x 317)	Ill. 665.....	(90 x 4226) (A x K)
Ill. 115.....	(5120 x Kys) (Tr x 317)	Ill. 666.....	(4451 x 4211) (A x K)
Ill. 156.....	(Kys x 38-11) (Tr x R4)	Ill. 677.....	(Hy x 317) (Pr x K4)
Ill. 172.....	(R4 x Hy) (A x 540)	Ill. 678.....	(R4 x Kys) (Pr x K4)
Ill. 316.....	(8-29 x CC1) (A x 90)	Ill. 680.....	(1159 x 317) (Pr x K4)
Ill. 318.....	(8-29 x K) (A x 90)	Ill. 681.....	(My x 317) (Pr x K4)
Ill. 384.....	(WF9 x R4) (A x Hy)	Ill. 682.....	(5676 x 317) (Pr x K4)
Ill. 391.....	(A x Hy) (Tr x 317)	Ill. 710.....	(R4 x Hy) (Tr x 317)
Ill. 427.....	(5120 x 317) (Hy x 540)	Ill. 751.....	(A x 90) (WF9 x Hy)
Ill. 432.....	(5120 x 4211) (K4 x 317)	Ill. 754.....	(R4 x Hy) (90 x 317)
Ill. 435.....	(5120 x 5678) (K4 x 317)	Ill. 762.....	(A x Hy) (R4 x 317)
Ill. 444.....	(5677 x R4) (K4 x 317)	Ill. 784.....	(Hy x 5120) (K4 x 317)
Ill. 447.....	(My x Hy) (K4 x 317)	Ill. 828.....	(K x WF9) (4451 x A)
Ill. 448.....	(38-11 x Kys) (K4 x 317)	Ill. 851.....	(R4 x Hy) (L3G2 x GL2)
Ill. 450.....	(R4 x Kys) (K4 x 317)	Ill. 863.....	(R4 x Hy) (K4 x 317)
Ill. 467.....	(Hy x 5120) (R4 x Kys)	Ill. 877.....	(R4 x Pr) (K4 x 317)
Ill. 468.....	(Pr x K4) (R4 x Kys)	Ill. 878.....	(5675 x Pr) (K4 x 317)
Ill. 469.....	(5675 x 317) (R4 x Kys)	Ill. 885A.....	(R4 x 38-11) (K4 x 317)
Ill. 473.....	(2204 x 4451) (Hy x 90)	Ill. 936.....	(A x Hy) (90 x 317)
Ill. 482.....	(5120 x 4211) (Hy x Pr)	Ill. 940.....	(5120 x 4211) (1159 x 317)
Ill. 487.....	(CC5 x CC7) (CC2 x Hy)	Ill. 947.....	(R4 x Pr) (Tr x 317)
Ill. 495.....	(A x CC5) (90 x 317)	Ill. 960.....	(R4 x Hy) (317 x 701)
Ill. 496.....	(CC5 x CC7) (90 x 317)	Ill. 983.....	(5675 x 5120) (K4 x 317)
Ill. 498.....	(5120 x 4211) (701 x 317)	Ill. 1001.....	(5120 x Hy) (R4 x Pr)
Ill. 499.....	(Hy x 5120) (701 x 317)	Ill. 1010.....	(540 x 317) (R4 x Pr)
Ill. 538.....	(5120 x 4211) (R4 x Tr)	Ill. 1058.....	(5120 x R4) (Hy x 540)
Ill. 543.....	(90 x Hy) (R4 x Tr)	Ill. 1073.....	(5120 x Hy) (R4 x 317)
Ill. 546.....	(WF9 x Hy) (R4 x Tr)	Ill. 1092.....	(A x 90) (WF9 x CC1)
Ill. 570.....	(A x 90) (Hy x 540)	Ill. 1094.....	(CC2 x 317) (A x 90)
Ill. 571.....	(Tr x 90) (Hy x 540)	U. S. 44.....	(4-8 x 187-2) (Hy x 540)
Ill. 582.....	(R4 x 317) (Hy x 540)	U. S. 45.....	(461-3 x 4-8) (Hy x 540)
Ill. 586.....	(4226 x 2204) (Hy x 540)	U. S. 61.....	(R4 x 4-8) (Hy x 540)
Ill. 587.....	(5120 x 4211) (Hy x 540)	U. S. 65.....	(Ohio 51 x 4-8) (Hy x 540)
Ill. 650.....	(90 x 4226) (4451 x 5120)		

Table 3.—NORTHEASTERN ILLINOIS: Libertyville

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
Regular division, entries in commercial production									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	*Wisconsin Hybrid 696.....	66.1	65.8	.38	26.4	95	125.7	109.3	113.4
2	DeKalb Hybrid 204.....	67.2	67.2	0	23.2	88	116.4	111.6	112.8
3	DeKalb Hybrid 421.....	68.0	67.8	.24	23.2	84	111.1	112.6	112.2
4	DeKalb Hybrid 404.....	67.1	67.1	0	22.4	86	113.8	111.5	112.1
5	*Wisconsin Hybrid 645.....	63.9	63.1	1.21	23.6	94	124.3	104.8	109.7
6	*Wisconsin Hybrid 676.....	67.1	66.9	.33	22.2	79	104.5	111.1	109.5
7	DeKalb Hybrid 203.....	65.3	65.0	.50	23.2	82	108.5	108.0	108.1
7	DeKalb Hybrid 492.....	64.7	64.5	.30	24.4	84	111.1	107.1	108.1
9	*Funk Hybrid G8.....	65.3	65.1	.34	26.0	78	103.2	108.1	106.9
10	DeKalb Hybrid 419.....	64.6	64.4	.37	22.2	79	104.5	107.0	106.4
11	*Wisconsin Hybrid 680.....	62.8	62.5	.45	26.0	85	112.4	103.8	106.0
12	DeKalb Hybrid 202.....	62.4	62.0	.64	23.9	84	111.1	103.0	105.0
13	DeKalb Hybrid 433.....	62.5	62.2	.54	23.2	79	104.5	103.3	103.6
14	DeKalb Hybrid 498.....	59.0	58.7	.48	26.0	83	109.8	97.5	100.6
15	*Funk Hybrid G57.....	61.8	61.6	.26	25.1	72	95.2	102.3	100.5
16	DeKalb Hybrid 454.....	57.9	57.0	1.63	24.4	89	117.7	94.7	100.5
17	*Funk Hybrid G30.....	58.1	57.4	1.19	25.6	87	115.1	95.3	100.3
18	*Illinois Hybrid 1092.....	57.5	56.7	1.37	26.6	86	113.8	94.2	99.1
19	*Illinois Hybrid 586.....	58.6	57.7	1.54	26.6	77	101.9	95.8	97.3
20	DeKalb Hybrid 493.....	58.5	57.7	1.44	25.6	76	100.5	95.8	97.0
21	*Illinois Hybrid 1094.....	60.6	60.1	.81	19.5	64	84.7	99.8	96.0
22	DeKalb Hybrid 435.....	56.7	56.7	0	26.0	74	97.9	94.2	95.1
23	DeKalb Hybrid 462.....	54.3	52.4	3.51	28.4	88	116.4	87.0	94.4
24	Gunn Western Plowman.....	58.6	58.4	.31	20.8	64	84.7	97.0	93.9
25	*Funk Hybrid B31.....	65.2	65.1	.19	22.0	36	47.6	108.1	93.0
26	*Wisconsin Hybrid 675.....	56.7	56.2	.80	24.4	69	91.3	93.4	92.9
27	*Illinois Hybrid 570.....	50.7	50.1	1.21	27.6	85	112.4	83.2	90.5
28	*Funk Hybrid G9.....	53.4	52.5	1.62	26.6	74	97.9	87.2	89.9
29	Huebisch Murdock Yellow Dent.....	57.0	57.0	.01	20.2	54	71.4	94.7	88.9
30	*Wisconsin Hybrid 650.....	52.7	52.6	.25	22.0	70	92.6	87.4	88.7
31	Simmons Will County Favorite.....	55.3	55.2	.24	23.2	58	76.7	91.7	88.0
●	Average of 5 best open-pollinated var.	55.2	54.6	1.06	23.6	60	79.9	90.7	88.0
32	Webb Will County Favorite.....	52.6	51.0	2.99	27.2	66	87.3	84.7	85.4
33	Maland Yellow Dent.....	52.4	51.5	1.74	26.6	60	79.4	85.5	84.0
Average of division.....		60.1	59.7	.81	24.4	76.7	101.3	99.1	99.7
Experimental division, entries not in commercial production									
1	*Funk Hybrid G27.....	73.2	73.2	0	22.4	79	104.5	121.6	117.3
2	*DeKalb Hybrid 466.....	71.9	71.4	.74	25.6	74	97.9	118.6	113.4
3	*DeKalb Hybrid 465.....	68.0	67.4	.82	22.8	86	113.8	112.0	112.5
4	*DeKalb Hybrid 464.....	68.8	68.2	.82	23.6	82	108.5	113.3	112.1
5	*Illinois Hybrid 653.....	69.3	69.2	.18	23.6	75	99.2	115.0	111.1
6	*Illinois Hybrid 657.....	65.0	64.7	.42	23.6	86	113.8	107.5	109.1
7	*Illinois Hybrid 659.....	65.8	65.5	.40	24.1	75	99.2	108.8	106.4
8	*Illinois Hybrid 661.....	62.2	61.9	.51	22.2	83	109.8	102.8	104.6
9	*Illinois Hybrid 651.....	61.8	61.7	.17	25.1	83	109.8	102.5	104.3
9	*DeKalb Hybrid DE27.....	61.5	61.4	.11	23.2	84	111.1	102.0	104.3
11	*DeKalb Hybrid DE15.....	68.1	67.8	.41	22.8	59	78.0	112.6	104.0
12	*Funk Hybrid G22.....	62.9	62.7	.38	24.6	78	103.2	104.2	103.9
13	*Illinois Hybrid 660.....	61.2	61.0	.39	22.2	84	111.1	101.3	103.8
14	*Illinois Hybrid 473.....	62.5	61.9	.92	26.6	77	101.9	102.8	102.6
15	*Illinois Hybrid 828.....	62.1	61.9	.28	21.8	76	100.5	102.8	102.2
16	*Illinois Hybrid 666.....	59.7	59.3	.60	24.1	80	105.8	98.5	100.3
17	*Funk Hybrid G5.....	57.0	55.5	2.62	25.1	88	116.4	92.2	98.3
18	*DeKalb Hybrid DE22.....	56.3	55.8	.95	25.6	82	108.5	92.7	96.7
19	*Illinois Hybrid 663.....	60.6	60.2	.46	23.2	65	86.0	100.0	96.5
20	*Illinois Hybrid 665.....	60.3	60.1	.41	22.0	64	84.7	99.8	96.0
21	*Illinois Hybrid 495.....	58.3	57.9	.69	25.6	70	92.6	96.2	95.3
22	*Illinois Hybrid 496.....	57.8	57.8	0	25.6	68	89.9	96.0	94.5
23	*Illinois Hybrid 316.....	53.4	53.1	.50	22.0	80	105.8	88.2	92.6
24	*Illinois Hybrid 487.....	54.5	54.1	.75	24.1	74	97.9	89.9	91.9
25	*Illinois Hybrid 650.....	55.2	55.0	.38	24.1	55	72.8	91.4	86.8
26	*DeKalb Hybrid DE16.....	53.1	52.5	1.09	27.6	62	82.0	87.2	85.9
27	*Iowa Hybrid 3215.....	51.7	51.5	.41	18.7	56	74.1	85.5	82.7
28	*Illinois Hybrid 318.....	51.6	51.4	.45	26.8	56	74.1	85.4	82.6
Average of division.....		61.2	60.9	.57	23.9	74.3	98.3	101.1	100.4
Average of all entries.....		60.6	60.2	.70	24.1	75.6	....	....	....

*Average of 5 plots instead of 10. **Average of 4 plots instead of 10.

Table 4.—NORTHERN ILLINOIS: Stockton, Kings, and Plainfield

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Regular division, entries in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Iowaleth Hybrid AQ.....	89.2	89.0	.13	19.3	72.1	116.7	111.5	112.8
2	National Hybrid 117.....	90.1	89.9	.18	20.4	69.5	112.5	112.7	112.7
3	DeKalb Hybrid 404.....	88.4	88.4	.08	18.8	71.5	115.7	110.8	112.0
4	Pioneer Hi-Bred 316.....	83.5	83.0	.56	21.9	74.5	120.5	104.0	108.1
5	Pfister-Stiegelmeier Hybrid 380.....	85.4	85.2	.25	19.9	68.4	110.7	106.8	107.8
6	DeKalb Hybrid 421.....	87.3	87.2	.13	20.1	62.7	101.5	109.3	107.4
7	Wisconsin Hybrid 696.....	79.0	78.8	.21	19.9	81.0	131.1	98.7	106.8
8	Wisconsin Hybrid 680.....	83.0	82.9	.10	18.0	70.5	114.1	103.9	106.5
9	Funk Hybrid G19.....	84.3	84.2	.14	19.6	65.7	106.3	105.5	105.7
10	Pioneer Hi-Bred 322.....	87.3	87.1	.25	18.9	58.8	95.1	109.1	105.6
11	Pioneer Hi-Bred 307.....	84.6	84.4	.32	21.4	64.6	104.5	105.8	105.5
12	Moews Hybrid 10.....	82.4	82.2	.26	21.9	69.3	112.1	103.0	105.3
13	Pioneer Hi-Bred 317.....	82.7	82.3	.47	21.9	68.7	111.2	103.1	105.1
14	National Hybrid 112.....	83.0	82.9	.21	20.1	66.2	107.1	103.9	104.7
15	Pioneer Hi-Bred 311.....	85.7	85.2	.53	18.1	60.6	98.1	106.8	104.6
16	DeKalb Hybrid 203.....	80.4	80.4	0	18.0	70.6	114.2	100.7	104.1
17	DeKalb Hybrid 433.....	85.3	85.1	.15	19.9	59.2	95.8	106.6	103.9
18	Pioneer Hi-Bred 314.....	85.8	85.5	.31	20.2	55.7	90.1	107.1	102.9
19	Funk Hybrid G23.....	79.5	79.3	.22	21.7	70.1	113.4	99.4	102.9
20	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	83.5	83.3	.14	22.0	59.8	96.8	104.4	102.5
21	Funk Hybrid G30.....	79.9	79.8	.02	18.0	67.8	109.7	100.0	102.4
22	Iowaleth Hybrid AP.....	81.2	81.2	.06	18.1	63.6	102.9	101.8	102.1
23	Illinois Hybrid 751 (Webb).....	81.1	80.9	.19	20.4	64.1	103.7	101.4	102.0
24	Illinois Hybrid 368 (Pfister-Lazier).....	82.4	82.3	.05	19.7	60.8	98.4	103.1	101.9
25	Iowaleth Hybrid 20.....	80.2	80.1	.25	19.8	65.6	106.1	100.4	101.8
26	Funk Hybrid G20.....	80.2	80.1	.07	19.7	65.5	106.0	100.4	101.8
27	DeKalb Hybrid 492.....	81.6	81.6	.04	20.5	61.2	99.0	102.2	101.4
28	DeKalb Hybrid 204.....	79.0	78.9	.07	19.0	67.3	108.9	98.9	101.4
29	Iowaleth Hybrid C.....	81.9	81.8	.12	20.3	60.0	97.1	102.5	101.2
30	DeKalb Hybrid 202.....	79.3	79.3	0	18.7	65.5	106.0	99.4	101.0
31	DeKalb Hybrid 498.....	81.6	81.5	.08	20.3	60.0	97.1	102.1	100.9
32	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	80.1	80.1	.09	22.2	62.8	101.6	100.4	100.7
33	Pfister-Stiegelmeier Hybrid 367.....	78.7	78.5	.22	20.6	66.2	107.1	98.4	100.6
34	DeKalb Hybrid 419.....	80.5	80.4	.05	19.1	59.5	96.3	100.7	99.6
35	DeKalb Hybrid 462.....	79.5	79.4	.23	19.3	61.7	99.8	99.5	99.6
36	Pioneer Hi-Bred 315.....	84.1	83.8	.49	19.2	51.0	82.5	105.0	99.4
37	DeKalb Hybrid 601.....	80.5	80.4	.12	19.4	59.1	95.6	100.7	99.4
38	Pioneer Hi-Bred 311A.....	81.4	80.3	1.36	19.1	58.5	94.7	100.6	99.1
39	Pfister-Stiegelmeier Hybrid 369.....	79.3	79.2	.20	20.8	60.8	98.4	99.2	99.0
40	Wisconsin Hybrid 676.....	77.9	77.9	.06	19.5	61.4	99.4	98.9	99.0
41	Wisconsin Hybrid 645.....	72.9	72.8	.05	17.9	75.7	122.5	91.2	99.0
42	DeKalb Hybrid 493.....	80.5	80.4	.18	19.6	56.9	92.1	100.7	98.6
43	Funk Hybrid G55.....	81.8	81.8	.07	20.9	53.4	86.4	102.5	98.5
44	DeKalb Hybrid 454.....	76.7	76.5	.29	19.2	65.0	105.2	95.9	98.2
45	Funk Hybrid G6.....	79.9	79.7	.22	22.4	58.8	95.1	99.0	98.0
46	Pfister Hybrid 363.....	80.2	79.9	.38	21.9	55.6	90.0	100.1	97.5
47	Pioneer Hi-Bred 335.....	77.1	77.0	.15	19.0	61.8	100.0	96.5	97.4
48	Illinois Hybrid 586.....	78.3	78.2	.14	19.5	58.7	95.0	98.0	97.3
49	Illinois Hybrid 172 (Moews).....	79.4	79.3	.19	18.3	55.7	90.1	99.4	97.1
50	Pfister Hybrid 4857.....	78.4	78.4	0	19.7	57.8	93.5	98.2	97.0
51	DeKalb Hybrid 626.....	77.3	77.2	.08	21.5	60.5	97.9	96.7	97.0
52	Funk Hybrid G8 (Golden).....	79.3	79.1	.22	20.9	55.5	89.8	99.1	96.8
53	Pioneer Hi-Bred 323.....	78.3	78.1	.24	18.5	54.7	88.5	97.9	95.6
54	DeKalb Hybrid 435.....	75.3	75.3	0	19.4	59.2	95.8	94.4	94.8
55	Funk Hybrid G9.....	74.5	74.4	.13	20.3	59.3	96.0	93.2	93.9
56	Gunn Western Plowman.....	74.8	74.7	.09	18.1	57.5	93.0	93.6	93.5
57	Funk Hybrid B31.....	76.7	76.7	.06	19.6	49.4	79.9	96.1	92.1
58	Eckhardt Western Plowman.....	73.2	72.8	.54	19.6	55.4	89.6	91.2	90.8
●	Average of 5 best open-pollinated var.....	73.3	73.2	.19	19.9	54.3	87.8	91.7	90.7
59	Maland Yellow Dent.....	73.1	73.0	.18	20.1	52.8	87.1	91.5	90.4
60	Webb Will County Favorite.....	73.2	73.2	.06	20.8	51.8	83.8	91.7	89.7
61	Simmons Will County Favorite.....	72.2	72.2	.10	20.8	53.9	87.2	90.5	89.7
62	Illinois Hybrid 570 (Moews).....	71.1	70.8	.50	20.8	54.3	87.9	88.7	88.5
63	Wisconsin Hybrid 675.....	70.4	70.4	0	19.3	53.4	86.4	88.2	87.8
64	Wisconsin Hybrid 650.....	59.0	58.9	.09	17.5	59.8	96.8	73.8	79.6
Average of division.....		79.9	79.8	.19	19.7	61.9	100.1	100.0	100.0
AVERAGE: Experimental division, entry not in commercial production ¹									
1	Funk Hybrid G27.....	84.3	84.2	.11	19.1	61.4	99.4	105.5	104.0
Average of all entries.....		80.0	79.8	.19	19.7	61.8	....	....	....

¹Only those entries are included that were tested on all three fields.

Table 4.—NORTHERN ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
STOCKTON: Regular division, entries in commercial production									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>		
1	National Hybrid 117.....	92.4	91.9	.55	21.2	56.0	121.7	119.6	120.1
2	*Pioneer Hi-Bred 316.....	83.6	83.6	0	24.4	70.0	152.1	108.8	119.6
3	*Wisconsin Hybrid 696.....	79.9	79.9	0	20.5	71.0	154.3	104.0	116.6
4	Iowaleth Hybrid AQ.....	85.7	85.7	0	19.8	58.0	126.0	111.5	115.2
5	DeKalb Hybrid 421.....	85.9	85.7	.23	20.6	52.0	113.0	111.5	111.9
6	Pfister-Stiegelmeier Hybrid 380.....	84.0	84.0	0	19.7	54.0	117.3	109.3	111.3
7	DeKalb Hybrid 404.....	85.8	85.8	0	19.8	50.5	109.7	111.7	111.1
8	*Pioneer Hi-Bred 317.....	79.9	79.2	.85	23.9	58.0	126.0	103.1	108.8
9	DeKalb Hybrid 498.....	80.6	80.6	0	22.1	54.0	117.3	104.9	108.0
10	National Hybrid 112.....	82.4	82.2	.25	22.1	51.0	110.8	107.0	107.9
11	Moewa Hybrid 10.....	78.4	78.0	.52	23.9	56.0	121.7	101.5	106.6
12	Illinois Hybrid 368 (Pfister-Lazier).....	82.9	82.9	0	20.3	47.0	102.1	107.9	106.5
13	DeKalb Hybrid 203.....	74.9	74.9	0	20.5	61.0	132.6	97.5	106.3
14	Pioneer Hi-Bred 311.....	84.5	84.2	.30	20.1	43.5	94.5	109.6	105.8
14	Pioneer Hi-Bred 307.....	80.9	80.8	.18	23.2	49.5	107.6	105.2	105.8
16	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	80.8	80.6	.21	23.2	49.5	107.6	104.9	105.6
17	Funk Hybrid G30.....	76.3	76.3	0	20.5	56.0	121.7	99.3	104.9
18	Pioneer Hi-Bred 311A.....	82.8	82.5	.41	19.6	43.5	94.5	107.4	104.2
19	Iowaleth Hybrid AP.....	77.7	77.7	0	19.1	51.0	110.8	101.1	103.6
20	DeKalb Hybrid 433.....	82.3	82.1	.20	22.4	43.0	93.4	106.9	103.5
21	*Pioneer Hi-Bred 322.....	85.6	85.2	.49	20.0	37.0	80.4	110.9	103.3
22	Funk Hybrid G23.....	76.2	76.1	.10	22.8	53.0	115.2	99.1	103.1
23	Wisconsin Hybrid 680.....	77.9	77.8	.17	20.2	49.5	107.6	101.3	102.8
24	Funk Hybrid G19.....	79.2	79.0	.28	21.1	46.5	101.0	102.8	102.4
25	DeKalb Hybrid 492.....	77.8	77.8	0	22.8	48.5	105.4	101.3	102.3
26	Pioneer Hi-Bred 314.....	79.3	78.9	.50	22.2	46.0	100.0	102.7	102.0
27	Pfister Hybrid 363.....	81.9	81.4	.66	23.2	40.5	88.0	106.0	101.5
28	Funk Hybrid G55.....	81.7	81.5	.22	20.3	40.0	86.9	106.1	101.3
29	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	74.7	74.5	.27	24.9	52.5	114.1	97.0	101.2
30	Illinois Hybrid 751 (Webb).....	76.7	76.6	.13	21.3	48.5	105.4	99.7	101.1
31	DeKalb Hybrid 202.....	77.1	77.1	0	20.3	47.0	102.1	100.4	100.8
32	DeKalb Hybrid 454.....	74.8	74.5	.45	19.4	51.5	111.9	97.0	100.7
33	Iowaleth Hybrid 20.....	77.1	76.8	.42	21.3	47.0	102.1	100.0	100.5
34	Pfister-Stiegelmeier Hybrid 369.....	79.5	79.3	.24	22.8	42.0	91.3	103.2	100.2
35	DeKalb Hybrid 493.....	78.4	78.3	.14	20.5	43.5	94.5	101.9	100.1
36	Funk Hybrid G8 (Golden).....	78.9	78.7	.23	21.8	42.5	92.4	102.4	99.9
37	Iowaleth Hybrid C.....	79.3	79.2	.09	22.4	40.0	86.9	103.1	99.0
37	DeKalb Hybrid 601.....	76.9	76.7	.23	21.7	44.5	96.7	99.8	99.0
37	DeKalb Hybrid 462.....	76.4	76.4	.03	20.8	45.0	97.8	99.4	99.0
40	Illinois Hybrid 172 (Moewa).....	77.8	77.4	.57	22.8	42.5	92.4	100.7	98.6
40	DeKalb Hybrid 204.....	75.4	75.4	0	19.6	46.0	100.0	98.1	98.6
42	*Pfister Hybrid 4857.....	76.4	76.4	0	20.6	43.0	93.4	99.4	97.9
42	Pioneer Hi-Bred 335.....	72.5	72.5	.03	20.3	50.0	108.7	94.4	97.9
44	Funk Hybrid G20.....	74.6	74.6	0	21.0	46.0	100.0	97.1	97.8
45	Funk Hybrid G6.....	75.8	75.6	.27	25.6	43.5	94.5	98.4	97.4
45	Pfister-Stiegelmeier Hybrid 367.....	74.1	73.9	.23	22.8	46.5	101.0	96.2	97.4
45	*Wisconsin Hybrid 645.....	69.7	69.7	0	19.4	54.0	117.3	90.7	97.4
48	Pioneer Hi-Bred 315.....	80.6	80.0	.78	20.6	35.0	76.1	104.1	97.1
49	DeKalb Hybrid 626.....	76.2	76.2	.03	22.0	41.5	90.2	99.2	96.9
50	*Pioneer Hi-Bred 323.....	75.1	74.8	.44	19.5	43.0	93.4	97.4	96.4
51	*Wisconsin Hybrid 676.....	74.5	74.5	0	21.0	42.0	91.3	97.0	95.5
52	Illinois Hybrid 586.....	73.7	73.4	.42	22.0	41.0	89.1	95.5	93.9
53	DeKalb Hybrid 419.....	73.6	73.6	0	19.1	39.5	85.8	95.8	93.3
54	Eckhardt Western Plowman.....	72.3	72.0	.41	19.3	40.5	88.0	93.7	92.3
55	Gunn Western Plowman.....	70.1	70.1	0	18.9	42.0	91.3	91.2	91.2
56	Simmons Will County Favorite.....	70.1	70.1	0	22.6	39.5	85.8	91.2	89.9
57	Webb Will County Favorite.....	71.6	71.6	0	22.2	35.5	77.1	93.2	89.2
●	Average of 5 best open-pollinated var.....	70.0	69.9	.13	20.9	37.9	82.4	91.0	88.9
58	Funk Hybrid B31.....	72.6	72.6	0	21.8	33.0	71.7	94.5	88.8
59	Illinois Hybrid 570 (Moewa).....	70.3	70.0	.41	20.8	33.5	72.8	91.1	86.5
60	DeKalb Hybrid 435.....	66.6	66.6	0	20.8	38.5	83.7	86.7	85.9
61	*Funk Hybrid G9.....	70.0	70.0	0	20.8	31.0	67.4	91.1	85.2
62	*Wisconsin Hybrid 675.....	66.7	66.7	0	19.6	33.0	71.7	86.8	83.0
63	Maland Yellow Dent.....	66.0	65.8	.26	21.8	32.0	69.5	85.6	81.6
64	*Wisconsin Hybrid 650.....	54.1	54.1	0	19.1	37.0	80.4	70.4	72.9
	Average of division.....	77.1	76.9	.21	21.3	46.1	100.1	100.1	100.1
STOCKTON: Experimental division, entries not in commercial production									
1	Funk Hybrid G27.....	77.5	77.4	.09	21.2	44.0	95.6	100.7	99.5
2	*Towa Hybrid 3215.....	71.5	71.4	.12	18.5	44.0	95.6	92.9	93.6
	Average of division.....	74.5	74.4	.11	19.9	44.0	95.6	96.8	96.6
	Average of all Stockton entries.....	77.0	76.8	.20	21.2	46.0	.....	.....	.....

*Average of 5 plots instead of 10.

Table 4.—NORTHERN ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
KINGS: Regular division, entries in commercial production									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	DeKalb Hybrid 404.....	95.5	95.5	0	20.6	65	154.0	114.4	124.3
2	*Lowalth Hybrid AQ.....	93.7	93.3	.38	21.3	59	139.8	111.7	118.7
3	*National Hybrid 117.....	91.7	91.7	0	23.4	56	132.7	109.8	115.5
4	*Wisconsin Hybrid 680.....	86.0	86.0	0	18.6	63	149.2	103.0	114.6
5	*Wisconsin Hybrid 696.....	79.1	78.6	.63	23.0	72	170.6	94.1	113.2
6	*Pioneer Hi-Bred 307.....	92.0	91.8	.17	24.4	51	120.8	109.9	112.6
7	*Wisconsin Hybrid 645.....	76.4	76.3	.14	19.1	73	172.9	91.4	111.8
8	Funk Hybrid G19.....	90.5	90.5	0	21.0	51	120.8	108.4	111.5
8	*Pioneer Hi-Bred 317.....	87.0	86.5	.56	24.9	57	135.0	103.6	111.5
10	*Pfister-Stiegelmeier Hybrid 266.....	88.1	88.1	0	23.2	54	127.9	105.5	111.1
11	DeKalb Hybrid 204.....	85.8	85.8	0	21.4	57	135.0	102.7	110.8
12	*Pioneer Hi-Bred 322.....	95.9	95.7	.19	20.1	41	97.1	114.6	110.2
13	*Moews Hybrid 10.....	87.2	87.2	0	25.6	53	125.5	104.4	109.7
14	Funk Hybrid G23.....	83.4	83.1	.37	24.6	58	137.4	99.5	109.0
15	Pfister-Stiegelmeier Hybrid 380.....	86.6	86.2	.49	23.4	53	125.5	103.2	108.8
16	DeKalb Hybrid 202.....	86.7	86.7	0	20.3	51	120.8	103.8	108.1
16	*National Hybrid 112.....	86.2	86.1	.12	22.2	52	123.2	103.1	108.1
18	*Pioneer Hi-Bred 316.....	84.4	83.6	.95	25.4	54	127.9	100.1	107.1
19	Lowalth Hybrid 20.....	84.8	84.6	.22	22.8	52	123.2	101.3	106.8
20	Illinois Hybrid 751 (Webb).....	88.9	88.6	.35	23.2	45	106.6	106.1	106.2
20	Pfister-Stiegelmeier Hybrid 367.....	83.7	83.3	.42	23.9	53	125.5	99.8	106.2
22	DeKalb Hybrid 203.....	83.6	83.6	0	19.4	51	120.8	100.1	105.3
23	Lowalth Hybrid C.....	88.7	88.6	.16	21.3	43	101.9	106.1	105.1
24	DeKalb Hybrid 492.....	85.5	85.5	0	23.2	43	101.9	102.4	102.3
25	DeKalb Hybrid 421.....	88.8	88.7	.15	24.1	38	90.0	106.2	102.2
26	*Pioneer Hi-Bred 311.....	87.4	86.8	.70	20.0	40	94.8	103.9	101.6
27	DeKalb Hybrid 419.....	84.8	84.7	.14	22.2	43	101.9	101.4	101.5
28	Funk Hybrid G30.....	80.6	80.6	0	20.5	49	116.1	96.5	101.4
29	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	85.6	85.6	0	23.2	41	97.1	102.5	101.2
30	DeKalb Hybrid 433.....	88.4	88.2	.25	22.2	37	87.6	105.6	101.1
31	*Pioneer Hi-Bred 314.....	90.1	89.7	.42	21.8	34	80.5	107.4	100.7
32	Pfister-Stiegelmeier Hybrid 369.....	83.8	83.7	.10	23.0	43	101.9	100.2	100.6
33	DeKalb Hybrid 498.....	86.3	86.2	.13	23.2	39	92.4	103.2	100.5
33	*Lowalth Hybrid AP.....	85.0	84.8	.18	20.3	41	97.1	101.6	100.5
35	DeKalb Hybrid 462.....	83.0	83.0	0	21.4	42	99.5	99.4	99.4
36	Illinois Hybrid 368 (Pfister-Lazier).....	84.3	84.2	.14	22.8	40	94.8	100.8	99.3
37	DeKalb Hybrid 601.....	86.4	86.4	0	21.1	36	85.3	103.5	99.0
38	DeKalb Hybrid 454.....	80.1	79.9	.29	22.2	45	106.6	95.7	98.4
39	*Pfister Hybrid 4857.....	82.9	82.9	0	23.0	40	94.8	99.3	98.2
40	*Pioneer Hi-Bred 315.....	90.8	90.8	.02	21.4	28	66.3	108.7	98.1
41	Funk Hybrid G9.....	76.6	76.3	.40	23.4	49	116.1	91.4	97.6
42	*Wisconsin Hybrid 676.....	79.5	79.4	.17	21.8	44	104.2	95.1	97.4
43	*Illinois Hybrid 586.....	83.7	83.7	0	20.4	37	87.6	100.2	97.1
44	DeKalb Hybrid 435.....	80.9	80.9	0	22.2	41	97.1	96.9	97.0
45	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	84.8	84.7	.10	25.4	35	82.9	101.4	96.8
45	Funk Hybrid G20.....	82.2	82.1	.12	21.3	39	92.4	98.3	96.8
45	Funk Hybrid G6.....	84.0	84.0	.03	24.6	36	85.3	100.6	96.8
48	DeKalb Hybrid 626.....	79.4	79.2	.22	25.4	42	99.5	94.8	96.0
49	Pfister Hybrid 363.....	80.7	80.4	.32	25.6	38	90.0	96.3	94.7
50	*Pioneer Hi-Bred 311A.....	82.8	80.8	2.47	22.6	36	85.3	96.8	93.9
51	DeKalb Hybrid 493.....	81.5	81.3	.30	23.0	35	82.9	97.4	93.8
52	*Wisconsin Hybrid 675.....	78.9	78.9	0	22.6	37	87.6	94.5	92.8
53	Funk Hybrid G55.....	84.9	84.9	0	25.6	27	64.0	101.7	92.3
54	Gunn Western Plowman.....	77.3	77.3	.05	19.7	38	90.0	92.6	92.0
55	Illinois Hybrid 172 (Moews).....	80.2	80.2	0	26.2	33	78.2	96.0	91.6
56	Funk Hybrid G8.....	80.3	80.0	.36	24.1	32	75.8	95.8	90.8
56	*Pioneer Hi-Bred 335.....	77.6	77.3	.43	22.2	36	85.3	92.6	90.8
58	Maland Yellow Dent.....	75.8	75.6	.27	22.0	36	85.3	90.5	89.2
59	*Illinois Hybrid 570 (Morgan).....	75.6	75.5	.18	25.4	34	80.5	90.4	87.9
60	Funk Hybrid B31.....	81.5	81.4	.18	20.8	23	54.5	97.5	86.8
●	Average of 5 best open-pollinated var.....	72.4	72.1	.37	22.6	36	84.8	86.3	85.9
61	Simmons Will County Favorite.....	71.1	70.9	.29	23.0	36	85.3	84.9	85.0
62	*Pioneer Hi-Bred 323.....	75.3	75.3	0	20.8	29	68.7	90.2	84.8
63	Eckhardt Western Plowman.....	69.3	68.6	1.06	23.9	37	87.6	82.2	83.6
64	*Wisconsin Hybrid 650.....	63.1	62.9	.27	18.8	45	106.6	75.3	83.1
65	Webb Will County Favorite.....	68.3	68.2	.19	24.4	32	75.8	81.7	80.2
	Average of division.....	83.3	83.1	.23	22.5	43.8	103.9	99.5	100.6

*Average of 5 plots instead of 10.

Table 4.—NORTHERN ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
KINGS: Experimental division, entries <i>not</i> in commercial production									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
1	*Pfister-Stiegelmeier Hybrid 280.....	89.1	89.1	0	22.8	56	132.7	106.7	113.2
2	*DeKalb Hybrid 465.....	93.1	93.1	0	19.4	45	106.6	111.5	110.3
3	*Pfister-Stiegelmeier Hybrid 260.....	92.3	92.3	0	21.4	46	109.0	110.5	110.1
4	Funk Hybrid G27.....	94.3	94.3	0	20.4	42	99.5	112.9	109.6
5	*DeKalb Hybrid DE27.....	85.4	85.4	0	22.0	48	113.7	102.3	105.2
6	*DeKalb Hybrid DE17.....	84.4	84.3	.17	22.8	32	75.8	101.0	94.7
7	*U. S. Hybrid 65 (Moewa).....	87.9	87.9	0	24.9	24	56.9	105.3	93.2
8	*DeKalb Hybrid DE18.....	82.6	82.5	.14	21.3	32	75.8	98.8	93.1
9	*DeKalb Hybrid 600.....	82.6	82.3	.38	28.2	31	73.4	98.6	92.3
10	*DeKalb Hybrid 466.....	83.0	82.8	.19	24.4	30	71.1	99.2	92.2
11	*DeKalb Hybrid 464.....	80.4	80.1	.32	22.8	33	78.2	95.9	91.5
12	*DeKalb Hybrid DE23.....	78.1	77.8	.40	22.8	29	68.7	93.2	87.1
13	*DeKalb Hybrid DE16.....	85.0	85.0	0	23.9	18	42.6	101.8	87.0
14	*DeKalb Hybrid DE10.....	77.0	77.0	0	26.2	19	45.0	92.2	80.4
	Average of division.....	85.4	85.3	.11	23.1	33.8	82.1	102.1	97.1
	Average of all Kings entries.....	83.7	83.5	.21	22.6	42.2	....	....	....
PLAINFIELD: Regular division, entries in commercial production									
1	Iowaleth Hybrid AQ.....	88.1	88.1	0	16.7	99.2	103.7	111.1	109.3
2	DeKalb Hybrid 421.....	87.2	87.2	0	15.6	98.0	102.4	110.0	108.1
3	*National Hybrid 117.....	86.2	86.2	0	16.7	96.4	100.7	108.7	106.7
4	Pfister-Stiegelmeier Hybrid 380.....	85.5	85.3	.25	16.5	98.1	102.5	107.6	106.3
5	Wisconsin Hybrid 680.....	85.1	85.0	.14	15.4	98.9	103.3	107.2	106.2
6	DeKalb Hybrid 433.....	85.1	85.1	0	15.0	97.6	102.0	107.3	106.0
7	Pioneer Hi-Bred 314.....	87.9	87.9	0	16.5	87.1	91.0	110.8	105.9
8	Pioneer Hi-Bred 311.....	85.1	84.6	.60	14.3	98.2	102.6	106.7	105.7
9	DeKalb Hybrid 404.....	84.0	83.8	.25	16.0	99.1	103.6	105.7	105.2
10	Ill. Hybrid 360 (Pfister-Stiegelmeier)...	84.8	84.7	.10	17.4	94.8	99.1	106.8	104.9
11	*Funk Hybrid G19.....	83.2	83.1	.14	16.7	99.6	104.1	104.8	104.6
12	*DeKalb Hybrid 203.....	82.8	82.8	0	14.0	99.8	104.3	104.4	104.4
13	*Pioneer Hi-Bred 323.....	84.5	84.3	.27	15.2	92.0	96.1	106.3	103.8
13	*Funk Hybrid G30.....	82.7	82.6	.07	15.7	98.3	102.7	104.2	103.8
15	DeKalb Hybrid 419.....	83.0	83.0	0	16.0	96.0	100.3	104.7	103.6
16	*Pioneer Hi-Bred 316.....	82.4	81.8	.74	16.0	99.6	104.1	103.2	103.4
17***	*Pioneer Hi-Bred 335.....	81.3	81.3	0	14.6	99.5	104.0	102.5	102.9
18	Moewa Hybrid 10.....	81.6	81.4	.25	16.3	98.8	103.2	102.6	102.8
19	Iowaleth Hybrid AP.....	81.2	81.2	0	14.9	98.7	103.1	102.4	102.6
20	Funk Hybrid G20.....	81.1	81.1	0	15.2	98.6	103.0	102.3	102.5
21	*Pioneer Hi-Bred 322.....	80.4	80.3	.08	16.7	98.4	102.8	101.3	101.7
22	DeKalb Hybrid 493.....	81.6	81.5	.11	15.4	92.1	96.2	102.8	101.2
23	*National Hybrid 112.....	80.5	80.3	.27	16.1	95.7	100.0	101.3	101.0
23	*Wisconsin Hybrid 676.....	79.7	79.7	0	15.7	98.2	102.6	100.5	101.0
25	*Iowaleth Hybrid 20.....	78.9	78.8	.12	15.4	97.7	102.1	99.4	100.8
26	*Pioneer Hi-Bred 317.....	81.2	81.2	0	17.0	91.0	95.1	102.4	100.6
26	*Ill. Hybrid 366 (Pfister-Stiegelmeier)...	80.1	80.1	0	18.5	94.9	99.2	101.0	100.6
28	*Pioneer Hi-Bred 307.....	81.0	80.5	.60	16.7	93.2	97.4	101.5	100.5
28	Illinois Hybrid 368 (Pfister-Lazier).....	79.9	79.9	0	16.0	95.4	99.7	100.8	100.5
28	Funk Hybrid G23.....	78.9	78.8	.18	17.8	99.4	103.9	99.4	100.5
31	*Funk Hybrid G6.....	79.8	79.5	.36	16.9	96.9	101.3	100.3	100.4
32	*DeKalb Hybrid 482.....	79.2	78.7	.65	15.6	98.1	102.5	99.2	100.0
33	*Illinois Hybrid 172 (Moewa).....	80.3	80.3	0	16.0	91.6	95.7	101.3	99.9
33	DeKalb Hybrid 435.....	78.5	78.5	0	15.1	98.0	102.4	99.0	99.9
35	Pfister-Stiegelmeier Hybrid 367.....	78.2	78.2	0	15.2	99.0	103.4	98.6	99.8
35	*Wisconsin Hybrid 696.....	77.9	77.9	0	16.1	100.0	104.5	98.2	99.8
37	Pioneer Hi-Bred 315.....	81.0	80.5	.66	15.7	89.9	93.9	101.5	99.6
37	DeKalb Hybrid 492.....	78.6	78.6	0	16.4	96.6	100.9	99.1	99.6
39	Illinois Hybrid 751 (Webb).....	77.6	77.6	0	16.7	98.7	103.1	97.9	99.2
40	DeKalb Hybrid 601.....	78.1	78.0	.13	15.3	96.7	101.0	98.4	98.1
41	*Funk Hybrid G55.....	78.9	78.9	0	16.8	93.3	97.5	99.5	99.0
42	Iowaleth Hybrid C.....	77.8	77.7	.10	17.1	97.0	101.4	98.0	98.9
43	Illinois Hybrid 586.....	77.4	77.4	0	16.1	98.1	102.5	97.6	98.8
44	*Pioneer Hi-Bred 311A.....	78.6	77.7	1.20	15.2	96.3	100.6	98.0	98.7
45	*Funk Hybrid G8 (Golden).....	78.8	78.7	.07	16.7	92.1	96.2	99.2	98.5
46	Webb Will County Favorite.....	79.7	79.7	0	15.7	87.9	91.8	100.5	98.3
47	Funk Hybrid G9.....	76.8	76.8	0	16.7	97.9	102.3	96.8	98.2
48	DeKalb Hybrid 626.....	76.3	76.3	0	17.0	98.0	102.4	96.2	97.8

*Average of 9 plots instead of 10. **Average of 5 plots instead of 10. ***Average of 4 plots instead of 10.

(Plainfield entries are continued on next page.)

Table 4.—NORTHERN ILLINOIS: Concluded

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Plainfield: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
49	DeKalb Hybrid 204.....	75.8	75.6	.20	16.1	98.9	103.3	95.3	97.3
50	*Pfister Hybrid 363.....	78.1	78.0	.16	16.8	88.4	92.4	98.4	96.9
50	*Maland Yellow Dent.....	77.5	77.5	0	16.4	90.3	94.4	97.7	96.9
52	Gunn Western Plowman.....	77.0	76.8	.22	15.6	92.6	96.8	96.8	96.8
53	*Eckhardt Western Plowman.....	77.9	77.8	.14	15.6	88.6	92.6	98.1	96.7
53	DeKalb Hybrid 454.....	75.2	75.1	.12	16.1	98.4	102.8	94.7	96.7
	● Average of 5 best open-pollinated var....	77.5	77.5	.07	16.1	89.1	93.1	97.7	96.4
55	*DeKalb Hybrid 498.....	77.9	77.8	.12	15.7	87.1	91.0	98.1	96.3
56	*Funk Hybrid B31.....	76.1	76.1	0	16.1	92.3	96.4	96.0	96.2
57	DeKalb Hybrid 202.....	74.2	74.2	0	15.6	98.6	103.0	93.6	96.0
58	Pfister-Stiegelmeier Hybrid 369.....	74.7	74.5	.25	16.7	97.4	101.8	93.9	95.9
59	Pfister Hybrid 4857.....	75.8	75.8	0	15.6	90.3	94.4	95.6	95.3
60***	Wisconsin Hybrid 645.....	72.5	72.5	0	15.2	100.0	104.5	91.4	94.7
61	Simmons Will County Favorite.....	75.5	75.5	0	16.9	86.3	90.2	95.2	94.0
62	Illinois Hybrid 570 (Morgan).....	67.5	66.9	.92	16.4	95.3	99.6	84.4	88.2
63	**Wisconsin Hybrid 675.....	65.6	65.6	0	15.7	90.2	94.3	82.7	85.6
64	**Wisconsin Hybrid 650.....	59.8	59.8	0	14.7	97.4	101.8	75.4	82.0
	Average of division.....	79.4	79.3	.15	16.0	95.7	100.0	99.9	100.0
PLAINFIELD: Experimental division, entry <i>not</i> in commercial production									
1	Funk Hybrid G27.....	81.0	80.8	.25	15.6	98.2	102.6	101.9	102.1
	Average of all Plainfield entries....	79.4	79.3	.15	16.0	95.7	....	....	....

*Average of 9 plots instead of 10. **Average of 5 plots instead of 10. ***Average of 4 plots instead of 10.

Table 5.—NORTH-CENTRAL ILLINOIS: Cambridge, Henry, and Dwight

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Regular division, entries in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Iowaleth Hybrid AQ.....	94.1	93.8	.29	16.5	78.7	135.1	105.9	113.2
2	Pioneer Hi-Bred 307.....	97.2	96.7	.49	16.4	66.3	113.8	109.1	110.3
3	Illinois Hybrid 546 (Morgan).....	93.7	93.5	.23	17.1	72.0	123.6	105.5	110.0
4	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	97.1	97.0	.12	17.6	63.7	109.3	109.5	109.5
5	Funk Hybrid G32.....	93.7	93.6	.05	17.5	67.7	116.2	105.6	108.3
6	Pioneer Hi-Bred 317.....	94.0	93.6	.44	17.4	67.0	115.0	105.6	108.0
7	Funk Hybrid 212.....	94.4	94.2	.18	17.0	65.7	112.8	106.3	107.9
8	DeKalb Hybrid 825.....	87.5	87.1	.53	19.6	79.0	135.6	98.3	107.6
9	U. S. Hybrid 44 (Moews).....	96.4	96.1	.29	17.2	60.3	103.5	108.5	107.3
10	Moews Hybrid 10.....	92.5	92.4	.07	16.7	66.7	114.5	104.3	106.9
11	U. S. Hybrid 45 (Moews).....	98.4	98.1	.24	18.2	55.3	94.9	110.7	106.8
11	DeKalb Hybrid 870.....	95.6	95.3	.28	17.2	60.7	104.2	107.6	106.8
13	DeKalb Hybrid 871.....	96.4	95.9	.56	17.3	59.3	101.8	108.2	106.6
14	Morgan Hybrid 52.....	93.3	93.1	.21	17.1	62.7	107.6	105.1	105.7
14	National Hybrid 118.....	90.4	90.0	.37	15.6	68.7	117.9	101.6	105.7
16	Funk Hybrid 244.....	95.0	95.0	.06	17.3	58.3	100.1	107.2	105.4
17	Pioneer Hi-Bred 316.....	85.2	84.5	.62	18.7	78.7	135.1	95.4	105.3
18	Pfister-Stiegelmeier Hybrid 260A.....	93.1	92.6	.46	17.4	61.3	105.2	104.5	104.7
19	Illinois Hybrid 751 (Golden).....	88.5	87.9	.74	16.8	67.3	115.5	99.2	104.4
20	DeKalb Hybrid 640.....	90.2	89.9	.30	18.2	65.7	112.8	101.5	104.3
21	DeKalb Hybrid 875.....	93.5	93.4	.17	16.1	58.6	100.6	105.4	104.2
22	U. S. Hybrid 61 (Moews).....	93.7	93.4	.31	16.3	57.7	99.0	105.4	103.8
22	Illinois Hybrid 368 (Pfister-Lazier).....	90.0	90.0	.04	17.0	64.3	110.4	101.6	103.8
24	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	92.6	92.6	0	17.3	58.0	99.6	104.5	103.3
25	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	93.3	93.0	.25	17.5	57.0	97.8	105.0	103.2
25	Iowaleth Hybrid 25.....	91.1	90.6	.57	18.7	61.7	105.9	102.3	103.2
27	Funk Hybrid G60.....	90.7	90.5	.29	17.2	60.7	104.2	102.1	102.6
28	Illinois Hybrid 753 (Sibley Estate).....	92.3	92.2	.16	18.4	57.0	97.8	104.1	102.5
29	Illinois Hybrid 588 (Sibley Estate).....	96.2	95.9	.25	18.8	50.0	85.8	108.2	102.4
30	Pfister-Stiegelmeier Hybrid 380.....	91.1	90.8	.34	17.1	58.7	100.8	102.5	102.1
31	National Hybrid 121.....	91.3	91.0	.32	16.2	60.7	104.2	102.7	102.0
32	DeKalb Hybrid 602.....	86.3	86.0	.35	17.9	64.7	111.1	102.0	101.5
32	Morgan-Wallace Hybrid 311A.....	92.1	91.4	.73	15.2	55.7	95.6	103.2	101.3
34	Funk Hybrid G33.....	91.7	91.5	.11	17.3	54.3	93.2	103.3	100.8
35	Funk Hybrid G45.....	93.0	92.6	.34	17.1	51.3	88.1	104.5	100.4
35	DeKalb Hybrid 628.....	89.1	88.7	.43	17.6	59.0	101.3	100.1	100.4
37	Illinois Hybrid 582 (Morgan).....	92.7	92.3	.40	17.2	51.3	88.1	104.2	100.2
37	DeKalb Hybrid 629.....	88.3	87.9	.37	16.1	60.0	103.0	99.2	100.2
39	Illinois Hybrid 960 (Morgan).....	91.6	91.5	.14	18.1	51.7	88.7	103.3	99.7
40	Pfister-Stiegelmeier Hybrid 367.....	84.0	83.8	.19	16.3	66.7	114.5	94.6	99.6
41	DeKalb Hybrid 639.....	89.0	88.7	.44	16.8	57.0	97.8	100.1	99.5
41	Pioneer Hi-Bred 311.....	86.5	85.8	.82	15.3	62.7	107.6	96.8	99.5
41	DeKalb Hybrid 626.....	84.6	84.4	.21	16.8	65.3	112.1	95.3	99.5
44	Pfister-Stiegelmeier Hybrid 361.....	89.3	89.1	.15	18.2	55.7	95.6	100.6	99.4
45	Illinois Hybrid 172 (Moews).....	90.7	90.4	.25	16.3	52.7	90.5	102.0	99.1
46	Pioneer Hi-Bred 312.....	91.2	90.9	.38	18.1	51.3	88.1	102.6	99.0
46	DeKalb Hybrid 627.....	84.0	83.8	.16	15.9	65.3	112.1	94.6	99.0
49	Pioneer Hi-Bred 314.....	88.7	88.3	.51	17.2	56.3	96.6	99.7	98.9
49	Funk Hybrid G55.....	88.4	88.4	.07	17.2	55.0	94.4	99.8	98.5
49	Iowaleth Hybrid 20.....	85.4	85.0	.34	16.6	62.0	106.4	95.9	98.5
51	Pfister Hybrid 363.....	90.1	89.9	.17	17.8	51.3	88.1	101.5	98.2
52	Pioneer Hi-Bred 311A.....	85.1	84.4	.81	15.8	62.0	106.4	95.3	98.1
53	Illinois Hybrid 936.....	87.6	87.5	.17	18.7	52.7	90.5	98.8	97.9
53	Pfister-Stiegelmeier Hybrid 369.....	83.2	83.2	.05	16.6	64.0	109.9	93.9	97.9
55	Morgan Hybrid 21.....	90.1	89.7	.46	17.4	51.0	87.5	101.2	97.8
56	DeKalb Hybrid 641.....	85.6	85.4	.21	18.2	57.7	99.0	96.4	97.1
57	DeKalb Hybrid 606.....	88.3	88.3	0	17.7	51.3	88.1	99.7	96.8
58	Morgan-Wallace Hybrid 138.....	88.4	88.2	.25	16.3	51.3	88.1	99.5	96.7
59	DeKalb Hybrid 498.....	86.1	85.8	.25	17.0	55.0	97.7	96.8	96.4
60	Illinois Hybrid 384 (Hahn).....	80.0	79.9	.15	16.5	66.7	114.5	90.2	96.3
61	Iowaleth Hybrid C.....	85.9	85.6	.32	17.7	55.3	94.9	96.6	96.2
62	Iowaleth Hybrid 23.....	82.0	82.0	.02	16.0	62.0	106.4	92.6	96.1
63	DeKalb Hybrid 634.....	85.5	85.3	.28	17.1	55.0	94.4	96.3	95.8
64	DeKalb Hybrid 601.....	82.5	82.3	.20	17.1	64.0	109.9	92.9	95.6
65	Pfister Hybrid 4857.....	85.8	85.7	.10	16.4	52.7	90.5	96.7	95.2
66	Morgan-Wallace Hybrid 106.....	83.4	82.9	.52	16.8	57.7	99.0	93.6	95.0
67	Morgan Hybrid 123.....	86.0	85.5	.53	16.7	52.0	89.3	96.5	94.7

¹Only those entries are included that were tested on all three fields.

(Entries are continued on next page.)

Table 5.—NORTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Dama- corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Average: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
68	Iowaleth Hybrid 25B.....	88.2	87.9	.35	17.5	47.0	80.7	99.2	94.6
68	Pioneer Hi-Bred 308.....	86.5	85.7	.93	17.4	51.3	88.1	96.7	94.6
70	Illinois-Iowaleth Hybrid 25.....	85.2	84.9	.21	17.7	52.3	89.8	95.8	94.3
71	Pioneer Hi-Bred 305A.....	84.9	84.2	.78	20.3	52.3	89.8	95.0	93.7
72	Illinois Hybrid 384 (Morgan).....	80.1	80.0	.08	17.6	60.0	103.0	90.3	93.5
73	Roeschley Yellow Dent.....	81.6	81.0	.64	19.2	44.7	76.7	91.4	87.7
74	Illinois Hybrid 570 (Morgan).....	79.2	78.7	.62	16.4	47.7	81.9	88.8	87.1
75	McKeighan Yellow Dent.....	81.2	81.0	.25	19.8	43.0	73.8	91.4	87.0
●	Average of 5 best open-pollinated var.....	80.8	80.4	.44	19.4	39.1	67.1	90.7	84.8
76	Krug.....	83.8	83.6	.29	18.9	32.0	54.9	94.4	84.5
77	Station Yellow Dent.....	78.4	78.1	.43	20.1	38.3	65.8	88.1	82.5
78	Doubet Yellow Dent.....	78.8	78.3	.59	19.0	37.7	64.7	88.3	82.4
	Average of division.....	88.9	88.6	.32	17.3	58.2	99.9	100.0	100.0
AVERAGE: Experimental division, entries not in commercial production ¹									
1	Pfister-Stiegelmeier Hybrid 280.....	90.6	90.2	.39	16.3	66.7	114.5	101.8	105.0
	Average of all entries.....	91.2	90.9	.34	17.7	59.9	....	....	....
CAMBRIDGE: Regular division, entries in commercial production									
				(Rootworm lodging ²)					
1	*Iowaleth Hybrid AQ.....	118.6	117.6	(25.4)	17.3	78	160.2	102.8	117.2
2	*DeKalb Hybrid 825.....	116.9	116.4	(46.4)	20.2	76	156.1	101.8	115.3
3	*Pioneer Hi-Bred 307.....	126.2	125.5	(39.6)	18.2	63	129.4	109.7	114.6
4	*Pioneer Hi-Bred 316.....	116.6	115.7	(47.5)	18.6	75	154.0	101.1	114.4
5	*Moews Hybrid 10.....	123.5	123.2	(46.4)	17.4	65	133.5	107.7	114.2
6	Illinois Hybrid 546 (Morgan).....	121.1	120.9	(72.8)	17.3	66	135.6	105.7	113.2
7	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	126.4	126.4	(73.5)	18.4	56	115.0	110.5	111.6
8	*National Hybrid 118.....	113.6	112.6	(49.2)	15.8	73	149.9	98.4	111.3
9	Funk Hybrid 212.....	123.3	123.3	(51.1)	18.2	58	119.1	107.8	110.6
10	Funk Hybrid G32.....	122.7	122.5	(35.6)	19.2	56	115.0	107.1	109.6
11	*Pioneer Hi-Bred 317.....	119.5	118.8	(46.3)	18.3	61	125.3	103.9	108.2
12	*U. S. Hybrid 45 (Moews).....	129.0	128.8	(73.6)	18.8	46	94.5	112.6	108.1
13	*DeKalb Hybrid 875.....	119.5	119.4	(64.2)	17.2	48	98.6	109.4	106.7
14	*U. S. Hybrid 44 (Moews).....	122.7	122.4	(60.8)	17.3	51	104.7	107.0	106.4
15	*DeKalb Hybrid 871.....	125.6	125.1	(58.4)	18.9	47	96.5	109.4	106.1
15	Morgan Hybrid 52.....	124.4	124.2	(50.0)	18.5	48	98.6	108.6	106.1
17	*DeKalb Hybrid 626.....	112.3	111.9	(83.6)	17.6	63	129.4	97.8	105.7
18	Funk Hybrid 244.....	122.2	122.0	(46.1)	19.4	49	100.6	106.6	105.1
19	Illinois Hybrid 751 (Golden).....	114.2	114.2	(83.9)	17.6	58	119.1	99.8	104.7
20	*DeKalb Hybrid 870.....	121.4	120.9	(53.6)	19.1	48	98.6	105.7	103.9
21	*Illinois Hybrid 753 (Sibley Estate).....	120.9	120.8	(61.7)	19.6	47	96.5	105.6	103.3
21	*DeKalb Hybrid 640.....	114.6	113.7	(52.2)	18.7	56	115.0	99.4	103.3
23	*Illinois Hybrid 588 (Sibley Estate).....	122.5	122.0	(74.5)	19.3	45	92.4	106.6	103.1
24	*DeKalb Hybrid 628.....	113.7	113.5	(70.9)	19.5	55	113.0	99.2	102.7
25	Iowaleth Hybrid 25.....	118.0	117.5	(48.1)	20.8	49	100.6	102.7	102.2
26	Funk Hybrid 244T.....	123.4	122.8	(75.8)	19.8	42	86.3	107.3	102.1
27	Pfister-Stiegelmeier Hybrid 260A.....	116.1	115.5	(70.2)	19.8	51	104.7	101.0	101.9
28	Pfister-Stiegelmeier Hybrid 367.....	113.3	112.9	(64.9)	17.9	54	110.9	98.7	101.7
29	Illinois Hybrid 960 (Morgan).....	120.0	119.8	(50.9)	20.2	45	92.4	104.7	101.6
30	Pfister-Stiegelmeier Hybrid 369.....	112.7	112.5	(79.3)	17.8	54	110.9	98.3	101.5
30	*Pioneer Hi-Bred 314.....	112.2	111.7	(68.6)	18.2	55	113.0	97.6	101.5
32	*DeKalb Hybrid 629.....	111.2	110.3	(86.5)	18.1	56	115.0	96.4	101.1
33	*DeKalb Hybrid 627.....	103.4	103.0	(90.9)	15.8	65	133.5	90.0	100.9
34	*National Hybrid 121.....	114.9	114.6	(59.7)	17.8	50	102.7	100.2	100.8
35	Illinois Hybrid 582 (Morgan).....	121.6	121.1	(60.6)	19.0	41	84.2	105.9	100.5
35	Illinois Hybrid 384 (Hahn).....	105.5	105.5	(77.5)	17.4	61	125.3	92.2	100.5
37	Illinois Hybrid 368 (Pfister-Lazier).....	110.0	110.0	(77.6)	18.1	55	113.0	96.2	100.4
37	Iowaleth Hybrid 20.....	109.8	109.3	(60.5)	17.2	56	115.0	95.5	100.4
39	Funk Hybrid G33.....	121.3	120.9	(72.9)	18.5	41	84.2	105.7	100.3
39	Illinois Hybrid 172 (Moews).....	120.6	120.1	(74.3)	17.6	42	86.3	105.0	100.3
39	*DeKalb Hybrid 641.....	116.1	115.6	(69.1)	18.9	47	96.5	101.1	100.3

¹Average of 5 plots instead of 10.²Only those entries are included that were tested on all three fields. ³Figures in curves indicate midseason lodging due to southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

(Cambridge entries are continued on next page.)

Table 5.—NORTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Cambridge: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
42	*Pioneer Hi-Bred 312.....	120.3	119.9	(54.5)	19.8	42	86.3	104.8	100.2
43	*U. S. Hybrid 61 (Moews).....	117.8	117.4	(76.6)	17.8	45	92.4	102.6	100.1
43	Pfister-Stiegelmeier Hybrid 380.....	117.0	116.6	(81.0)	17.9	46	94.5	101.9	100.1
45	Funk Hybrid G60.....	115.1	114.8	(63.5)	17.8	48	98.6	100.4	99.9
46	*DeKalb Hybrid 602.....	108.8	108.8	(71.1)	19.0	55	113.0	95.1	99.6
47	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	117.5	116.9	(76.7)	18.8	44	90.4	102.2	99.2
48	*DeKalb Hybrid 639.....	117.4	117.4	(76.9)	16.7	43	88.3	102.6	99.0
49	Pfister Hybrid 363.....	115.7	115.3	(70.8)	19.5	45	92.4	100.8	98.7
50	Funk Hybrid G45.....	119.0	118.1	(47.0)	19.0	40	82.2	103.2	98.0
51	*Morgan-Wallace Hybrid 311A.....	116.8	115.2	(91.4)	16.7	43	88.3	100.7	97.6
52	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	112.3	112.3	(75.4)	19.8	46	94.5	98.2	97.3
53	Pfister-Stiegelmeier Hybrid 361.....	114.1	113.8	(79.9)	19.1	44	90.4	99.5	97.2
53	*DeKalb Hybrid 634.....	113.4	113.0	(79.7)	18.5	45	92.4	98.8	97.2
55	Illinois-Iowhealth Hybrid 25.....	116.6	116.0	(63.4)	18.8	41	84.2	101.4	97.1
56	Funk Hybrid G55.....	112.7	112.5	(82.5)	18.1	45	92.4	98.3	96.9
57	*DeKalb Hybrid 606.....	115.6	115.6	(71.0)	19.1	41	84.2	101.1	96.8
58	Morgan Hybrid 21.....	116.4	115.7	(70.9)	19.5	40	82.2	101.1	96.4
59	*Pioneer Hi-Bred 311A.....	110.0	108.8	(78.9)	17.0	48	98.6	95.1	96.0
60	*Illinois Hybrid 936.....	114.1	114.1	(59.2)	21.8	40	82.2	99.7	95.4
60	*Pioneer Hi-Bred 311.....	107.9	107.1	(80.7)	16.1	49	100.6	93.6	95.4
62	*DeKalb Hybrid 601.....	104.7	104.4	(77.7)	17.8	52	106.8	91.3	95.2
62	Illinois Hybrid 384 (Morgan).....	104.0	103.7	(72.3)	20.8	53	108.9	90.7	95.2
64	*DeKalb Hybrid 498.....	113.6	113.0	(69.7)	17.2	41	84.2	98.8	95.1
65	*Iowhealth Hybrid 23.....	106.4	106.4	(66.7)	17.8	48	98.6	93.0	94.4
66	Iowhealth Hybrid 25B.....	116.1	115.7	(63.3)	18.5	35	71.9	101.1	93.8
67	Iowhealth Hybrid C.....	112.9	112.7	(55.1)	18.8	37	76.0	98.5	92.9
68	Illinois Hybrid 570 (Morgan).....	102.4	102.1	(81.9)	17.8	48	98.6	89.3	91.6
69	*Pioneer Hi-Bred 305A.....	103.2	102.4	(55.4)	21.2	47	96.5	89.5	91.3
70	*Morgan Hybrid 123.....	109.7	108.8	(81.2)	17.2	38	78.0	95.1	90.8
70	*Morgan-Wallace Hybrid 106.....	105.3	104.0	(57.3)	17.2	44	90.4	90.9	90.8
72	*Morgan-Wallace Hybrid 138.....	113.6	113.3	(80.0)	16.7	31	63.7	99.0	90.2
73	Pfister Hybrid 4857.....	106.9	106.6	(80.3)	18.0	37	76.0	93.2	88.9
74	*Pioneer Hi-Bred 308.....	107.8	106.3	(67.2)	18.2	36	73.9	92.9	88.2
75	McKeighan Yellow Dent.....	104.0	103.7	(86.4)	21.4	35	71.9	90.7	86.0
76	Station Yellow Dent.....	104.6	104.2	(82.9)	21.8	32	65.7	91.1	84.7
	● Average of 5 best open-pollinated var.....	104.6	104.0	(87.9)	20.4	29	60.4	91.0	83.4
77	Krug.....	107.6	107.0	(91.9)	19.4	25	51.3	93.5	83.0
78	Doubet Yellow Dent.....	101.8	101.0	(88.4)	19.2	30	61.6	88.3	81.6
79	Roeschley Yellow Dent.....	104.8	103.9	(89.8)	20.0	25	51.3	90.8	80.9
	Average of division.....	114.8	114.3	(67.8)	18.5	48.6	99.7	99.9	100.0

CAMBRIDGE: Experimental division, entry not in commercial production

1	Pfister-Stiegelmeier Hybrid 280.....	119.0	118.4	(78.5)	17.5	59	121.2	103.5	107.9
	Average of all Cambridge entries.....	114.8	114.3	(67.9)	18.5	48.7	....	....	....

HENRY: Regular division, entries in commercial production

		Damaged corn ²							
1	*Iowhealth Hybrid AQ.....	94.8	94.8	0	17.8	76	128.6	111.2	115.6
2	*Pioneer Hi-Bred 317.....	92.8	92.2	.63	17.6	72	121.9	108.2	111.6
3	*DeKalb Hybrid 870.....	97.7	97.2	.47	16.6	59	99.9	114.0	110.5
4	*Moews Hybrid 25.....	88.7	88.7	0	18.5	75	127.0	104.1	109.8
5	Funk Hybrid G32.....	89.9	89.9	0	17.3	72	121.9	105.5	109.6
6	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	95.8	95.8	0	17.0	56	94.8	112.4	108.0
7	Funk Hybrid G66.....	83.1	83.1	.03	17.2	82	138.8	97.5	107.8
8	*Illinois Hybrid 546 (Morgan).....	87.7	87.2	.54	17.5	73	123.6	102.3	107.6
9	*Illinois Hybrid 368 (Pfister-Lazier).....	88.5	88.4	.11	17.3	70	118.5	103.7	107.4
10	*U. S. Hybrid 44 (Moews).....	93.2	92.9	.32	18.5	59	99.9	109.0	106.7
11	*Iowhealth Hybrid 25.....	88.6	87.8	.92	18.2	69	116.8	103.0	106.5
12	*DeKalb Hybrid 825.....	79.4	79.1	.40	21.6	86	145.6	92.8	106.0
13	*Pioneer Hi-Bred 316.....	82.6	81.9	.82	17.3	80	135.4	96.1	105.9
14	*DeKalb Hybrid 875.....	93.7	93.3	.42	16.5	56	94.8	109.5	105.8
15	Pioneer Hi-Bred 307.....	91.6	91.0	.67	16.7	60	101.6	106.8	105.5

¹Average of 5 plots instead of 10.²Southern corn rootworm, *Diabrotica duodecimpunctata* Fab. ³In shelled sample.

(Henry entries are continued on next page.)

Table 5.—NORTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Henry: Regular division, concluded)									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
16	Funk Hybrid 212.....	89.2	88.9	.32	17.6	64	108.3	104.3	105.3
17	*Morgan Hybrid 52.....	90.8	90.4	.45	18.0	60	101.6	106.1	104.9
18	*DeKalb Hybrid 871.....	92.2	91.7	.55	17.9	57	96.5	107.6	104.8
19	Funk Hybrid G45.....	94.6	94.3	.28	16.7	51	86.3	110.6	104.6
20	Funk Hybrid 244.....	91.1	91.1	0	17.3	57	96.5	106.9	104.3
20	Moews Hybrid 10.....	87.3	87.3	0	17.2	65	110.0	102.4	104.3
22	*DeKalb Hybrid 640.....	86.4	86.3	.15	19.4	66	111.7	101.3	103.9
23	*Pfister-Stiegelmeier Hybrid 260A.....	91.1	90.9	.26	16.5	56	94.8	106.7	103.7
24	*U. S. Hybrid 45 (Moews).....	93.6	93.1	.56	19.6	51	86.3	109.2	103.5
25	*Pfister-Stiegelmeier Hybrid 380.....	89.3	88.7	.68	17.8	60	101.6	104.1	103.4
26	*U. S. Hybrid 61 (Moews).....	90.7	90.5	.24	17.0	55	93.1	106.2	102.9
27	*Ill. Hybrid 360A (Pfister-Stiegelmeier).....	89.1	88.9	.22	18.2	57	96.5	104.3	102.4
28	*DeKalb Hybrid 602.....	84.3	83.5	.94	18.1	67	113.4	98.0	101.8
29	*DeKalb Hybrid 498.....	88.1	87.9	.22	17.3	57	96.5	103.1	101.5
30	*National Hybrid 121.....	87.1	86.5	.71	16.1	59	99.9	101.5	101.1
31	*Pioneer Hi-Bred 311.....	83.6	82.9	.86	15.2	66	111.7	97.3	100.9
32	Funk Hybrid G60.....	85.3	85.3	0	18.5	60	101.6	100.1	100.5
33	*Morgan-Wallace Hybrid 311A.....	87.2	86.9	.40	15.6	56	94.8	102.0	100.2
34	*Pfister-Stiegelmeier Hybrid 367.....	81.0	80.8	.24	15.7	68	115.1	94.8	99.9
35	*Pfister-Stiegelmeier Hybrid 369.....	79.8	79.8	0	17.2	70	118.5	93.6	99.8
36	*Ill. Hybrid 360 (Pfister-Stiegelmeier).....	85.0	84.8	.29	17.2	59	99.9	99.5	99.6
37	Pfister Hybrid 4857.....	84.7	84.7	0	15.4	59	99.9	99.4	99.5
38	*DeKalb Hybrid 627.....	84.2	84.1	.13	15.6	60	101.6	98.7	99.4
39	*Iowa Hybrid 23.....	81.1	81.1	.06	14.7	65	110.0	95.2	98.9
40	*Illinois Hybrid 588 (Sibley Estate).....	91.3	91.0	.36	19.6	44	74.5	106.8	98.7
40	*Illinois Hybrid 753 (Sibley Estate).....	88.4	88.1	.37	19.0	50	84.6	103.4	98.7
40	*Illinois Hybrid 172 (Moews).....	84.1	83.8	.31	16.7	59	99.9	98.3	98.7
40	*Illinois Hybrid 751 (Golden).....	80.2	78.5	2.09	17.2	70	118.5	92.1	98.7
44	*DeKalb Hybrid 606.....	87.5	87.5	0	18.2	51	86.3	102.7	98.6
45	*Illinois Hybrid 960 (Morgan).....	89.5	89.3	.17	17.8	47	79.6	104.8	98.5
46	*Pioneer Hi-Bred 312.....	87.0	86.3	.85	18.2	53	89.7	101.3	98.4
47	Funk Hybrid G33.....	86.1	86.1	0	18.1	52	88.0	101.0	97.8
48	*National Hybrid 118.....	84.6	84.4	.22	16.7	55	93.1	99.0	97.6
48	*DeKalb Hybrid 626.....	79.4	79.2	.28	17.8	66	111.7	92.9	97.6
50	*DeKalb Hybrid 628.....	84.6	84.4	.25	17.2	55	92.8	99.0	97.5
51	Funk Hybrid G55.....	84.7	84.7	0	18.0	54	91.4	99.4	97.4
52	*DeKalb Hybrid 629.....	82.5	82.2	.33	16.4	58	98.2	96.4	96.9
53	*Illinois Hybrid 582 (Morgan).....	89.2	88.6	.70	17.0	44	74.5	104.0	96.6
53	*Pioneer Hi-Bred 311A.....	80.7	80.0	.91	16.0	62	104.9	93.9	96.6
55	*Morgan-Wallace Hybrid 138.....	83.4	83.1	.35	17.5	55	93.1	97.5	96.4
56	*Pioneer Hi-Bred 314.....	89.6	88.8	.85	17.6	43	72.8	104.2	96.3
57	*Morgan-Wallace Hybrid 106.....	79.7	79.4	.33	17.6	62	104.9	93.2	96.1
58	*DeKalb Hybrid 641.....	79.3	79.3	0	19.1	61	103.3	93.0	95.6
59	*DeKalb Hybrid 634.....	82.8	82.4	.54	17.9	54	91.4	96.7	95.4
59	*DeKalb Hybrid 639.....	77.9	77.1	1.04	17.9	65	110.0	90.5	95.4
61	*Pfister-Stiegelmeier Hybrid 361.....	84.2	84.1	.15	19.3	50	84.6	98.7	95.2
62	Morgan Hybrid 21.....	86.3	85.9	.48	17.4	46	77.9	100.8	95.1
62	*Iowa Hybrid C.....	82.5	82.1	.43	17.8	54	91.4	96.3	95.1
64	*Iowa Hybrid 20.....	80.7	80.2	.58	17.3	57	96.5	94.1	94.7
65	*DeKalb Hybrid 601.....	75.9	75.6	.35	18.0	65	110.0	88.7	94.0
66	*Iowa Hybrid 25B.....	84.9	84.3	.66	17.8	46	77.9	98.9	93.7
67	*Illinois-Iowa Hybrid 25.....	80.4	80.3	.11	17.3	53	89.7	94.2	93.1
67	*Illinois Hybrid 384 (Morgan).....	77.4	77.4	0	16.5	59	99.9	90.8	93.1
69	*Illinois Hybrid 936.....	80.6	80.2	.50	18.8	53	89.7	94.1	93.0
70	*Pioneer Hi-Bred 305A.....	82.1	81.3	1.02	20.8	50	84.6	95.4	92.7
71	*Illinois Hybrid 384 (Hahn).....	73.7	73.4	.45	16.6	66	111.7	86.1	92.5
72	*Pfister Hybrid 363.....	82.8	82.6	.21	18.7	46	77.9	96.9	92.2
73	*Morgan Hybrid 123.....	81.5	81.0	.56	17.9	44	74.5	95.0	89.9
74	*Pioneer Hi-Bred 308.....	80.1	79.1	1.22	17.3	47	79.6	92.8	89.5
75	*Illinois Hybrid 570 (Morgan).....	76.0	75.0	1.35	16.7	48	81.3	88.0	86.3
76	McKeighan Yellow Dent.....	79.6	79.2	.50	19.3	38	64.3	92.9	85.8
77	Roeschley Yellow Dent.....	77.6	77.0	.77	19.8	37	62.6	90.3	83.4
●	Average of 5 best open-pollinated var.....	77.7	77.3	.56	19.4	36	60.6	90.7	83.2
78	Station Yellow Dent.....	76.9	76.4	.70	19.5	37	62.6	89.6	82.9
79	Krug.....	78.7	78.5	.30	18.9	32	54.2	92.1	82.6
80	Doubet Yellow Dent.....	75.6	75.2	.54	19.4	35	59.2	88.2	81.0
	Average of division.....	85.1	84.8	.42	17.7	57.7	97.7	99.5	99.0

*Average of 5 plots instead of 10.

(Henry entries are concluded on next page.)

Table 5.—NORTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
HENRY: Experimental division, entries <i>not</i> in commercial production									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
1	*Stiegelmeier Hybrid 50.....	97.8	97.8	0	16.7	66	111.7	114.8	114.0
2	*Pfister-Stiegelmeier Hybrid 260.....	88.6	88.5	.12	17.2	79	133.7	103.8	111.3
3	*DeKalb Hybrid 465.....	87.1	86.8	.40	16.3	81	137.1	101.8	110.7
4	*Stiegelmeier Hybrid 70.....	92.3	92.1	.26	16.7	69	116.8	108.1	110.2
5	*Stiegelmeier Hybrid 30.....	95.5	95.5	0	17.6	61	103.3	112.1	109.9
6	*DeKalb Hybrid 600.....	92.0	91.6	.43	17.3	65	110.0	107.5	108.1
7	U. S. Hybrid 65 (Moews).....	92.6	92.6	0	16.9	62	104.9	108.7	107.7
8	*Stiegelmeier Hybrid 60.....	85.5	85.5	0	16.6	75	127.0	100.3	107.0
9	*DeKalb Hybrid DE9.....	80.0	79.3	.87	16.7	85	143.9	93.0	105.8
10	*Pfister-Stiegelmeier Hybrid 280.....	87.5	87.0	.60	15.6	68	115.1	102.1	105.3
11	Iowaltb Hybrid 50.....	89.7	89.3	.44	17.4	62	104.9	104.8	104.8
12	*DeKalb Hybrid 466.....	87.8	87.6	.24	15.7	63	106.6	102.8	103.8
13	*Pfister-Stiegelmeier Hybrid 266.....	87.3	87.2	.11	17.6	63	106.6	102.3	103.4
14	*DeKalb Hybrid DE19.....	86.6	85.8	.94	17.6	66	111.7	100.7	103.4
15	*DeKalb Hybrid DE20.....	78.5	78.5	0	18.1	78	132.0	92.1	102.1
16	*DeKalb Hybrid DE14.....	88.2	88.0	.22	18.5	57	96.5	103.3	101.6
17	Iowaltb Hybrid 53.....	90.5	90.2	.30	18.5	52	88.0	105.8	101.4
18	*DeKalb Hybrid SXX19.....	91.6	91.5	.11	16.5	47	79.6	107.4	100.4
19	*DeKalb Hybrid 464.....	83.8	82.9	1.07	17.2	64	108.3	97.3	100.0
20	*Moews Hybrid 12.....	82.7	82.6	.10	16.1	62	104.9	96.9	98.9
21	*Stiegelmeier Hybrid 40.....	83.1	82.9	.22	18.2	59	99.9	97.3	97.9
22	*DeKalb Hybrid DE6.....	79.8	79.6	.30	17.2	62	104.9	93.4	96.3
23	*DeKalb Hybrid DE21.....	78.9	78.5	.45	17.2	61	103.3	92.1	94.9
24	Iowaltb Hybrid 54.....	86.1	85.2	1.01	17.8	44	74.5	100.0	93.6
25	*DeKalb Hybrid 801W.....	82.5	81.3	1.41	21.3	52	88.0	95.4	93.6
26	*DeKalb Hybrid DE8.....	79.9	79.9	0	15.9	46	77.9	93.8	89.8
Average of division.....		86.9	86.6	.36	17.2	63.1	106.6	101.7	102.0
Average of all Henry entries.....		85.6	85.2	.41	17.5	59.1	....	....	....
DWIGHT: Regular division, entries in commercial production									
1	Ill. Hybrid 360A (Pfister-Stiegelmeier)...	75.9	75.8	.13	16.2	78	113.7	113.8	113.8
2	*Ill. Hybrid 360 (Pfister-Stiegelmeier)...	77.4	77.4	0	16.6	68	99.1	116.2	111.9
3	Pioneer Hi-Bred 307.....	73.8	73.6	.23	14.3	76	110.8	110.5	110.6
3	*National Hybrid 118.....	73.0	73.0	0	14.3	78	113.7	109.6	110.6
5	Illinois Hybrid 546 (Morgan).....	72.4	72.4	0	16.6	77	112.3	108.6	109.6
6	*Pfister-Stiegelmeier Hybrid 260A.....	72.0	71.5	.64	15.9	77	112.3	107.3	108.5
7	U. S. Hybrid 44 (Moews).....	73.4	73.1	.30	15.7	71	103.5	109.7	108.2
8	U. S. Hybrid 61 (Moews).....	72.5	72.2	.40	14.2	73	106.4	108.4	107.9
9	*National Hybrid 121.....	71.8	71.8	0	14.8	73	106.4	107.7	107.4
9	Iowaltb Hybrid AQ.....	68.8	68.8	0	14.3	82	119.6	103.3	107.4
11	Funk Hybrid G60.....	71.8	71.4	.60	15.2	74	107.9	107.1	107.3
12	Illinois Hybrid 751 (Golden).....	71.1	71.0	.14	15.7	74	107.9	106.6	106.9
13	U. S. Hybrid 45 (Moews).....	72.5	72.5	0	16.2	69	100.6	108.8	106.8
14	*DeKalb Hybrid 871.....	71.3	70.8	.72	15.2	74	107.9	106.2	106.6
14	Funk Hybrid 212.....	70.6	70.5	.19	15.1	75	109.4	105.7	106.6
16	*Illinois Hybrid 588 (Sibley Estate).....	74.8	74.8	0	17.5	61	88.9	112.2	106.4
16	Pioneer Hi-Bred 308.....	71.7	71.6	.19	16.6	71	103.5	107.4	106.4
18	Funk Hybrid 244.....	71.8	71.8	0	15.2	69	100.6	107.7	106.0
19	*Morgan-Wallace Hybrid 311A.....	72.3	72.0	.41	13.4	68	99.1	108.0	105.8
20	*DeKalb Hybrid 640.....	69.6	69.6	0	16.6	75	109.4	104.4	105.6
21	Illinois Hybrid 368 (Pfister-Lazier).....	71.5	71.5	0	15.7	68	99.1	107.3	105.3
22	Pfister-Stiegelmeier Hybrid 361.....	69.5	69.5	0	16.2	73	106.4	104.3	104.9
23	Ill. Hybrid 366 (Pfister-Stiegelmeier)...	69.7	69.7	0	15.1	72	105.0	104.5	104.6
24	Funk Hybrid G32.....	68.4	68.4	0	15.9	75	109.4	102.6	104.3
25	*DeKalb Hybrid 629.....	71.1	71.1	0	13.8	66	96.2	106.7	104.1
26	Pfister Hybrid 363.....	71.9	71.9	0	15.3	63	91.9	107.9	103.9
27	*DeKalb Hybrid 870.....	67.8	67.8	0	15.9	75	109.4	101.7	103.6
28	*DeKalb Hybrid 639.....	71.7	71.5	.26	15.7	63	91.9	107.3	103.4
29	Pioneer Hi-Bred 317.....	69.7	69.7	.11	16.2	68	99.1	104.5	103.2
30	*Illinois Hybrid 753 (Sibley Estate).....	67.7	67.7	0	16.6	74	107.9	101.5	103.1
31	*DeKalb Hybrid 601.....	66.8	66.8	0	15.5	75	109.4	100.2	102.5
32	Pioneer Hi-Bred 311.....	67.9	67.3	.84	14.5	73	106.4	101.0	102.3
33	*DeKalb Hybrid 875.....	67.4	67.4	0	14.6	72	105.0	101.2	102.1
34	*Morgan Hybrid 123.....	66.7	66.6	.16	15.1	74	107.9	100.0	102.0
35	Morgan Hybrid 52.....	64.7	64.7	0	14.8	80	116.6	97.0	101.9
36	Funk Hybrid G33.....	67.6	67.6	0	15.2	70	102.1	101.4	101.5

*Average of 5 plots instead of 10.

(Dwight entries are concluded on next page.)

Table 5.—NORTH-CENTRAL ILLINOIS: Concluded

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Dwight: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
36	*Morgan-Wallace Hybrid 138.....	68.3	68.2	.15	14.8	68	99.1	102.3	101.5
38	*DeKalb Hybrid 628.....	68.9	68.3	.83	16.2	67	97.7	102.5	101.3
39	*DeKalb Hybrid 825.....	66.1	65.7	.73	17.1	75	109.4	98.5	101.2
40	*Pfister-Stiegelmeier Hybrid 380.....	67.0	67.0	0	15.7	70	102.1	100.6	101.0
41	Illinois Hybrid 582 (Morgan).....	67.4	67.3	.10	15.5	69	100.6	101.0	100.9
42	*Moews Hybrid 10.....	66.8	66.8	0	15.4	70	102.1	100.3	100.7
43	*Illinois Hybrid 936.....	68.2	68.2	0	15.7	65	94.8	102.3	100.4
43	Funk Hybrid G55.....	67.9	67.9	0	15.4	66	96.2	101.8	100.4
43	Iowea Hybrid 20.....	65.6	65.6	0	15.2	73	106.4	98.4	100.4
46	Morgan Hybrid 21.....	67.6	67.4	.32	15.4	67	97.7	101.1	100.3
47	*Pioneer Hi-Bred 311A.....	64.6	64.4	.39	14.3	76	110.8	96.6	100.1
47	*DeKalb Hybrid 602.....	65.7	65.6	.12	16.6	72	105.0	98.5	100.1
49	Pioneer Hi-Bred 305A.....	69.3	68.9	.57	19.0	60	87.5	103.4	99.4
50	Iowea Hybrid 25.....	66.8	66.6	.39	17.2	67	97.7	99.9	99.3
51	*DeKalb Hybrid 627.....	64.4	64.4	0	16.4	71	103.5	96.6	98.3
52	*Pioneer Hi-Bred 314.....	64.4	64.3	.27	15.7	71	103.5	96.4	98.2
53	*Morgan-Wallace Hybrid 106.....	65.2	65.2	0	15.7	67	97.7	97.8	97.8
54	Iowa Hybrid 939 (Crow).....	67.7	67.7	0	14.7	58	84.6	101.5	97.3
55	Iowea Hybrid C.....	62.2	62.0	.38	16.6	75	109.4	93.0	97.1
56	Pfister Hybrid 4857.....	65.8	65.8	0	15.7	62	90.4	98.7	96.6
56	Funk Hybrid G45.....	65.4	65.4	0	15.5	63	91.9	98.2	96.6
58	Illinois Hybrid 172 (Moews).....	67.3	67.3	0	14.6	57	83.1	100.9	96.5
58	Illinois Hybrid 960 (Morgan).....	65.4	65.4	.11	16.2	63	91.9	98.1	96.5
58	Funk Hybrid G23.....	63.1	63.1	0	15.5	70	102.1	94.6	96.5
61	*Pioneer Hi-Bred 312.....	66.4	66.4	0	16.2	59	86.0	99.7	96.2
61	Roesechley Yellow Dent.....	62.3	62.1	.25	17.8	72	105.0	93.2	96.2
63	Illinois Hybrid 384 (Hahn).....	60.7	60.7	0	15.4	73	106.4	91.1	94.9
64	*DeKalb Hybrid 626.....	62.0	62.0	0	15.1	67	97.7	93.1	94.2
65	Iowea Hybrid 25B.....	63.6	63.6	0	16.2	60	87.5	95.5	93.5
66	*Pfister-Stiegelmeier Hybrid 367.....	57.7	57.7	0	15.4	78	113.7	86.5	93.3
67	*DeKalb Hybrid 641.....	61.4	61.3	.20	16.6	65	94.8	92.0	92.7
68	*Pioneer Hi-Bred 316.....	56.4	56.0	.31	20.3	81	118.1	84.1	92.6
69	*Iowea Hybrid 23.....	58.5	58.5	0	15.6	73	106.4	87.8	92.5
70	*DeKalb Hybrid 606.....	61.9	61.9	0	15.7	62	90.4	92.9	92.3
71	*DeKalb Hybrid 634.....	60.4	60.4	0	14.8	66	96.2	90.7	92.1
72	Illinois Hybrid 384 (Morgan).....	58.9	58.9	0	15.5	68	99.1	88.4	91.1
73	*Pfister-Stiegelmeier Hybrid 369.....	57.2	57.2	0	14.8	68	99.1	85.8	89.1
74	Illinois-Iowea Hybrid 25.....	58.5	58.5	0	17.0	63	91.9	87.7	88.8
75	McKeighan Yellow Dent.....	60.1	60.1	0	18.7	56	81.6	90.2	88.0
75	*DeKalb Hybrid 498.....	56.5	56.5	0	16.6	67	97.7	84.7	88.0
77	Krug.....	65.2	65.2	0	18.3	38	55.4	97.8	87.2
●	Average of 5 best open-pollinated var.....	60.0	59.9	.18	18.4	52	75.8	89.9	86.4
78	Illinois Hybrid 570 (Morgan).....	59.1	59.0	.17	14.8	47	68.5	88.5	83.5
79	Doubet Yellow Dent.....	58.9	58.6	.44	18.3	48	70.0	87.9	83.4
80	Station Yellow Dent.....	53.7	53.6	.19	19.1	46	67.1	80.4	77.0
	Average of division.....	66.7	66.6	.14	15.8	68.5	99.9	100.0	100.0
DWIGHT: Experimental division, entry not in commercial production									
1	*Pfister-Stiegelmeier Hybrid 280.....	65.4	65.3	.11	15.9	73	106.4	97.9	100.1
	Average of all Dwight entries.....	66.7	66.6	.14	15.8	68.6	....	....	....

*Average of 5 plots instead of 10.

Table 6.—CENTRAL ILLINOIS: Adair, Stanford, and Armstrong

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Regular division, entries in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Funk Hybrid G53.....	98.2	97.7	.48	15.8	84	121.9	108.0	111.5
2	Illinois Hybrid 546 (McKeighan).....	98.4	97.9	.52	17.0	80	116.1	108.2	110.2
3	Pioneer Hi-Bred 317.....	99.2	98.5	.67	16.9	76	110.3	108.9	109.3
4	Moews Hybrid 10.....	96.6	96.3	.27	15.9	81	117.6	106.4	109.2
5	Illinois Hybrid 960 (Holmes).....	100.5	99.8	.70	17.1	71	103.0	110.3	108.5
6	DeKalb Hybrid 870.....	98.5	98.2	.33	17.1	74	107.4	108.5	108.2
6	Moews Hybrid 25.....	98.4	98.1	.31	17.1	74	107.4	108.4	108.2
8	Funk Hybrid 212.....	97.3	96.6	.64	16.9	75	108.9	106.8	107.3
9	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	98.6	98.3	.29	16.1	71	103.0	108.6	107.2
10	U. S. Hybrid 45 (Moews).....	98.5	98.0	.35	17.5	70	101.6	108.3	106.6
11	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	96.1	95.8	.29	15.6	74	107.4	105.9	106.3
12	Funk Hybrid G33.....	96.0	95.8	.20	17.4	73	106.0	105.9	105.9
13	Pioneer Hi-Bred 316.....	92.4	91.7	.74	16.5	82	119.0	101.3	105.7
14	Funk Hybrid 244.....	96.4	96.0	.39	17.4	71	103.0	106.1	105.3
14	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	96.0	95.5	.43	16.4	72	104.5	105.5	105.3
16	DeKalb Hybrid 871.....	96.0	95.8	.19	16.6	71	103.0	104.8	104.4
17	Illinois Hybrid 582.....	97.0	96.5	.52	17.2	67	97.2	106.6	104.3
17	Pioneer Hi-Bred 314.....	94.0	92.9	1.14	16.3	75	108.9	102.7	104.3
19	DeKalb Hybrid 825.....	90.4	89.9	.53	18.0	82	119.0	99.3	104.2
20	Pioneer Hi-Bred 307.....	95.4	94.8	.58	16.8	70	101.6	104.8	104.0
21	DeKalb Hybrid 628.....	94.4	94.3	.16	16.6	71	103.0	104.2	103.9
22	U. S. Hybrid 61 (Moews).....	94.7	94.1	.64	16.1	71	103.0	104.0	103.8
23	Iowahealth Hybrid C.....	92.1	91.6	.46	16.7	76	110.3	101.2	103.5
24	Pioneer Hi-Bred 312.....	95.9	95.6	.30	17.9	66	95.8	105.6	103.2
24	Pfister-Stiegelmeier Hybrid 361.....	93.2	92.9	.27	16.5	72	104.5	102.7	103.2
26	Funk Hybrid G65.....	95.0	94.7	.33	17.2	67	97.2	104.7	102.8
26	Pfister-Stiegelmeier Hybrid 367.....	90.4	89.9	.50	15.9	78	113.2	99.3	102.8
28	DeKalb Hybrid 841.....	92.6	92.4	.18	17.3	71	103.0	102.1	102.3
28	Iowahealth Hybrid 20.....	90.3	89.7	.55	15.7	77	111.8	99.1	102.3
30	DeKalb Hybrid 834.....	94.7	94.3	.35	16.9	66	95.8	104.2	102.1
30	Pfister-Stiegelmeier Hybrid 380.....	91.9	91.7	.15	15.8	72	104.5	101.3	102.1
32	DeKalb Hybrid 835.....	92.7	92.4	.33	17.9	70	101.6	102.1	102.0
33	DeKalb Hybrid 606.....	92.0	90.5	.51	17.1	74	107.4	100.0	101.9
34	Funk Hybrid G62.....	95.0	94.6	.34	18.9	64	92.9	104.5	101.6
34	Funk Hybrid G45.....	93.7	93.2	.42	17.1	67	97.2	103.0	101.6
34	DeKalb Hybrid 640.....	89.5	88.9	.55	17.3	77	111.8	98.2	101.6
37	Pfister-Stiegelmeier Hybrid 260A.....	93.0	92.6	.40	16.5	68	98.7	102.3	101.4
38	Funk Hybrid 244T.....	95.5	94.9	.51	17.5	61	88.5	104.9	100.8
38	DeKalb Hybrid 875.....	92.9	92.3	.66	15.5	67	97.2	102.0	100.8
38	Pfister-Stiegelmeier Hybrid 369.....	90.0	90.0	.05	16.1	72	104.5	99.5	100.8
41	Iowahealth Hybrid 25B.....	92.6	92.1	.43	18.4	67	97.2	101.8	100.7
41	Pioneer Hi-Bred 311A.....	89.1	87.8	1.30	15.0	77	111.8	97.0	100.7
43	Illinois Hybrid 588.....	91.6	91.3	.32	17.9	68	98.7	100.9	100.4
44	Illinois Hybrid 753.....	92.6	92.2	.51	18.2	65	94.3	101.9	100.0
44	Illinois Hybrid 360A (Crow).....	92.5	92.0	.42	16.0	68	98.7	101.7	100.0
46	Funk Hybrid G60.....	91.0	90.6	.42	17.1	68	98.7	100.1	99.8
47	DeKalb Hybrid 801.....	88.6	88.3	.26	17.4	73	106.0	97.6	99.7
48	Pioneer Hi-Bred 311.....	89.5	88.2	1.30	15.0	73	106.0	97.5	99.6
49	Pfister-Stiegelmeier Hybrid 363.....	91.4	90.8	.55	17.0	67	97.2	100.3	99.5
50	DeKalb Hybrid 498.....	86.8	86.4	.40	15.5	76	110.3	95.5	99.2
51	Iowahealth Hybrid 25.....	90.2	89.4	.82	16.4	69	100.1	98.8	99.1
52	Funk Hybrid 235.....	90.4	89.7	.71	17.5	68	98.7	99.1	99.0
53	Illinois Hybrid 368 (Pfister-Lazier).....	88.4	88.0	.40	16.4	71	103.0	97.2	98.7
54	Illinois Hybrid 543 (Shiesler).....	88.6	88.4	.21	17.0	69	100.1	97.7	98.3
55	National Hybrid 121.....	88.5	88.2	.34	16.6	69	100.1	97.5	98.2
56	Iowahealth Hybrid CA.....	86.3	85.6	.67	16.8	74	107.4	94.6	97.8
57	DeKalb Hybrid 602.....	89.7	89.3	.40	17.6	64	92.9	98.7	97.3
58	Illinois Hybrid 391.....	87.4	86.9	.60	19.4	68	98.7	96.0	96.7
58	Iowahealth Hybrid 20A.....	86.5	86.1	.39	16.0	70	101.6	95.1	96.7
60	DeKalb Hybrid 641.....	85.8	85.5	.32	16.6	70	101.6	94.5	96.3
61	Illinois-Iowahealth Hybrid 25.....	87.4	86.7	.77	16.6	65	94.3	95.8	95.4
62	Pfister Hybrid 4857.....	83.2	82.8	.52	19.0	73	106.0	91.5	95.1
63	DeKalb Hybrid 601.....	83.2	82.9	.33	16.8	72	104.5	91.6	94.8
64	Iowahealth Hybrid CC.....	86.5	86.1	.34	18.3	64	92.9	95.1	94.6
65	Illinois Hybrid 710.....	86.9	86.3	.67	18.1	63	91.4	95.4	94.4
66	Canterbury Yellow Dent.....	88.3	88.1	.20	19.4	57	82.7	97.4	93.7
66	DeKalb Hybrid 634.....	87.2	86.8	.50	16.7	60	87.1	95.9	93.7
68	Pioneer Hi-Bred 308.....	84.3	83.0	1.57	16.9	66	95.8	91.7	92.7

¹Only those entries are included that were tested on all three fields.

(Entries are continued on next page.)

Table 6.—CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Average: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
69	Bear Hybrid 16.....	87.2	86.7	.60	16.2	57	82.7	95.8	92.5
69	Illinois Hybrid 384.....	83.0	82.7	.30	16.8	66	95.8	91.4	92.5
71	National Hybrid 124.....	84.8	84.1	.81	17.8	62	90.0	92.9	92.2
72	National Hybrid 125.....	85.5	84.7	.83	19.4	59	85.6	93.6	91.6
73	Illinois Hybrid 538.....	86.8	86.6	.19	19.1	54	78.4	95.7	91.4
74	Illinois Hybrid 947.....	83.2	82.8	.43	18.7	61	88.5	91.5	90.8
75	National Hybrid 122.....	84.1	83.1	1.12	15.8	60	87.1	91.8	90.6
76	Funk Hybrid 220L (Smith).....	81.6	81.3	.35	17.0	63	91.4	89.8	90.2
	McKeighan Yellow Dent.....	85.6	83.7	.28	18.8	57	82.7	92.5	90.1
	● Average of 5 best open-pollinated var.....	84.0	83.8	.29	18.7	55	80.1	92.6	89.5
78	Pioneer Hi-Bred 305A.....	81.8	81.3	.62	18.7	61	88.5	89.8	89.5
79	Station Yellow Dent.....	84.2	83.9	.30	18.9	54	78.4	92.7	89.1
80	Doubet Yellow Dent.....	79.9	79.7	.27	18.5	60	87.1	88.1	87.9
81	Mountjoy Utility Dent.....	83.9	83.5	.41	17.7	50	72.6	92.3	87.4
	Average of division.....	90.8	90.4	.51	17.1	68.9	99.9	99.8	99.9
AVERAGE: Experimental division, entries <i>not</i> in commercial production ¹									
1	Pfister-Stiegelmeier Hybrid 280.....	97.0	96.4	.52	15.8	73	106.0	106.5	106.4
2	U. S. Hybrid 65 (Moews).....	96.3	95.8	.48	15.9	70	101.6	105.9	104.8
	Average of division.....	96.7	96.1	.50	16.0	71.5	103.8	106.2	105.6
	Average of all entries.....	91.0	90.5	.51	17.1	68.9	....	....	....
ADAIR: Regular division, entries in commercial production									
(Rootworm lodging ²)									
1	*Illinois Hybrid 546 (McKeighan).....	114.2	113.3	(35.4)	18.4	82.0	121.7	114.1	116.0
2	*Moews Hybrid 10.....	109.0	108.9	(28.5)	16.5	83.0	123.2	109.7	113.8
3	*Funk Hybrid G53.....	108.1	107.4	(24.1)	16.4	84.0	124.6	108.2	112.3
4	*U. S. Hybrid 44 (Moews).....	109.7	109.0	(55.5)	18.4	75.0	111.3	109.8	110.2
5	Funk Hybrid 212.....	109.0	108.3	(46.2)	17.8	76.0	112.8	109.1	110.0
6	Pioneer Hi-Bred 316.....	107.5	106.8	(50.0)	17.8	78.0	115.7	107.6	109.6
7	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	110.2	109.6	(46.4)	16.5	71.0	105.3	110.4	109.1
7	*Illinois Hybrid 960 (Holmes).....	107.8	107.5	(25.2)	18.6	75.0	111.3	108.3	109.1
9	Funk Hybrid G62.....	110.1	109.7	(53.9)	19.0	68.5	101.6	110.5	108.3
9	Funk Hybrid 244.....	106.2	105.8	(33.5)	19.3	76.5	113.5	106.6	108.3
11	*DeKalb Hybrid 870.....	105.8	105.2	(52.4)	18.7	78.0	115.7	105.7	108.2
12	Pioneer Hi-Bred 317.....	108.7	108.3	(49.8)	17.2	70.5	104.6	109.1	108.0
13	*DeKalb Hybrid 871.....	107.0	106.6	(55.7)	18.4	73.0	108.3	107.4	107.6
14	*DeKalb Hybrid 825.....	104.6	103.9	(45.8)	18.7	78.0	115.7	104.6	107.4
15	Funk Hybrid G45.....	107.4	106.6	(50.4)	17.5	71.0	105.3	107.4	106.9
16	*DeKalb Hybrid 628.....	105.7	105.7	(39.0)	18.0	72.0	106.8	106.5	106.6
17	*Moews Hybrid 25.....	110.5	110.0	(71.0)	17.8	63.0	93.5	110.8	106.5
18	*DeKalb Hybrid 841.....	105.4	105.2	(49.7)	18.7	70.0	103.9	106.0	105.5
19	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	107.1	106.6	(60.3)	18.1	66.5	98.7	107.4	105.2
20	*U. S. Hybrid 45 (Moews).....	110.4	109.7	(46.7)	18.1	70.0	103.9	104.8	104.6
21	*DeKalb Hybrid 875.....	106.8	105.6	(45.2)	16.6	66.0	97.9	106.4	104.3
22	*DeKalb Hybrid 834.....	104.5	104.1	(49.2)	17.7	69.0	102.4	104.8	104.2
23	*Pioneer Hi-Bred 312.....	102.8	102.2	(52.3)	20.5	72.0	106.8	102.9	103.9
24	Pfister-Stiegelmeier Hybrid 369.....	101.8	101.8	(48.3)	16.6	72.0	106.8	102.5	103.6
25	Pioneer Hi-Bred 307.....	104.1	103.3	(59.7)	18.2	67.5	100.2	104.0	103.1
26	*Illinois Hybrid 582.....	102.9	101.9	(74.1)	18.1	70.0	103.9	102.6	102.9
27	Pioneer Hi-Bred 314.....	105.1	104.4	(68.3)	17.7	63.5	94.2	105.2	102.5
28	*DeKalb Hybrid 606.....	98.1	97.3	(37.6)	17.2	77.0	114.2	98.0	102.1
29	*DeKalb Hybrid 835.....	103.0	102.6	(79.7)	19.1	66.0	97.9	103.3	102.0
30	*DeKalb Hybrid 640.....	98.7	97.6	(44.7)	18.5	76.0	112.8	98.3	101.9
31	Funk Hybrid 244T.....	106.1	105.7	(68.1)	19.0	59.0	87.5	106.5	101.8
31	Funk Hybrid G65.....	104.2	103.6	(52.7)	19.0	63.5	94.2	104.3	101.8
33	*U. S. Hybrid 61 (Moews).....	100.9	99.7	(57.6)	17.8	71.0	105.3	100.4	101.6
34	Iowa Hybrid 20.....	98.6	97.8	(37.4)	16.1	74.5	110.5	98.5	101.5
35	Iowa Hybrid 25B.....	102.2	101.5	(67.3)	18.9	66.0	97.9	102.2	101.1
35	*Iowa Hybrid C.....	96.8	96.5	(68.5)	18.5	70.0	103.9	100.1	101.1

*Average of 5 plots instead of 10.

¹Only those entries are included that were tested on all three fields. ²Figures in curves indicate midseason lodging due to southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

(Adair entries are concluded on next page.)

Table 6.—CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Adair, Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
37	*Pfister-Stiegelmeier Hybrid 361.....	100.5	100.5	(60.3)	17.5	67.0	99.4	101.2	100.8
38	*DeKalb Hybrid 801.....	95.8	95.4	(48.1)	18.4	77.0	114.2	96.1	100.6
39	*Pfister-Stiegelmeier Hybrid 367.....	96.4	95.7	(48.8)	17.2	75.5	112.0	96.4	100.3
40	Iowa Hybrid 25.....	100.9	99.2	(49.8)	17.5	68.0	100.9	99.9	100.2
41	*Illinois Hybrid 368 (Pfister-Lazier).....	98.8	98.5	(41.6)	16.1	69.0	102.4	99.2	100.0
42	*Iowa Hybrid CA.....	93.7	92.6	(73.6)	19.0	80.0	118.7	93.3	99.7
43	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	99.9	99.4	(55.9)	17.2	66.0	97.9	100.1	99.6
43	*Pfister-Stiegelmeier Hybrid 380.....	98.6	98.2	(59.8)	17.5	68.5	101.6	98.9	99.6
43	*U. S. Hybrid 65 (Moews).....	98.4	97.5	(59.0)	16.6	70.0	103.9	98.2	99.6
43	*Illinois Hybrid 710.....	97.6	97.0	(64.7)	19.0	71.0	105.3	97.7	99.6
47	Illinois Hybrid 360A (Crow).....	100.6	100.2	(53.9)	15.9	64.0	95.0	100.9	99.4
47	Illinois Hybrid 543 (Shissler).....	100.2	99.7	(59.2)	17.7	65.0	96.4	100.4	99.4
49	*Illinois Iowa Hybrid 25.....	100.4	99.5	(71.8)	18.1	65.0	96.4	100.2	99.3
50	*Pfister-Stiegelmeier Hybrid 260A.....	98.0	98.0	(53.9)	17.5	67.0	99.4	98.7	98.9
51	Pioneer Hi-Bred 311A.....	95.7	93.9	(54.7)	16.2	75.0	111.3	94.6	98.8
52	*Funk Hybrid G33.....	100.7	100.1	(36.6)	19.0	62.0	92.0	100.8	98.6
52	*National Hybrid 125.....	97.2	96.1	(43.6)	20.7	70.0	103.9	96.8	98.6
54	Funk Hybrid G60.....	98.5	97.7	(66.0)	19.5	65.5	97.2	98.4	98.1
55	*National Hybrid 121.....	98.4	97.8	(66.2)	17.6	63.0	93.5	98.5	97.3
56	*DeKalb Hybrid 498.....	94.9	94.0	(48.8)	16.2	70.0	103.9	94.7	97.0
57	*Illinois Hybrid 753 (Sibley Estate).....	97.1	96.5	(61.2)	18.7	64.0	95.0	97.2	96.7
57	Iowa Hybrid 20A.....	94.7	94.3	(54.2)	16.5	68.5	101.6	95.0	96.7
59	*DeKalb Hybrid 602.....	98.3	97.5	(46.3)	17.7	61.0	90.5	98.2	96.3
59	*Pioneer Hi-Bred 311.....	94.9	93.5	(59.0)	15.9	69.0	102.4	94.2	96.3
61	Funk Hybrid 235.....	96.4	94.9	(55.6)	19.8	66.0	97.9	95.6	96.2
62	*DeKalb Hybrid 641.....	96.7	96.5	(51.5)	17.9	62.0	92.0	97.2	95.9
63	*Pfister-Stiegelmeier Hybrid 363.....	95.9	94.8	(44.4)	18.6	65.0	96.4	95.5	95.7
64	*DeKalb Hybrid 634.....	99.1	98.3	(78.9)	19.8	56.0	83.1	99.0	95.0
65	*Illinois Hybrid 588.....	93.2	92.6	(65.6)	19.6	66.0	97.9	93.3	94.5
65	*Illinois Hybrid 391.....	92.0	91.1	(39.5)	20.8	69.0	102.4	91.8	94.5
67	National Hybrid 122.....	93.7	91.8	(63.4)	16.2	66.5	98.7	92.5	94.1
68	*Iowa Hybrid CC.....	96.4	96.0	(55.1)	19.9	58.0	86.1	96.7	94.0
69	*Illinois Hybrid 538.....	99.7	99.3	(76.7)	19.8	48.0	71.2	100.0	92.8
70	Pioneer Hi-Bred 308.....	92.5	91.2	(68.2)	17.5	64.0	95.0	91.9	92.7
71	*Funk Hybrid 220L (Smith).....	89.8	89.3	(56.5)	18.3	67.0	99.4	89.9	92.3
72	*Pfister Hybrid 4857.....	88.6	88.2	(59.2)	16.2	69.0	102.4	88.8	92.2
73	*Illinois Hybrid 947.....	92.2	91.8	(64.3)	19.3	61.0	90.5	92.5	92.0
74	Canterbury Yellow Dent.....	98.0	97.4	(84.3)	20.8	48.5	72.0	98.1	91.6
75	*Illinois Hybrid 384.....	89.2	88.9	(40.8)	17.5	62.0	92.0	89.5	90.1
76	Bear Hybrid 16.....	94.6	93.5	(84.3)	17.5	52.0	77.2	94.2	89.9
76	*DeKalb Hybrid 601.....	84.4	84.1	(32.5)	19.0	71.0	105.3	84.7	89.9
78	National Hybrid 124.....	88.8	88.3	(73.7)	19.9	59.0	87.5	88.9	88.6
	● Average of 5 best open-pollinated var.....	93.1	92.7	(82.1)	19.9	47.9	71.1	93.4	87.8
79	Station Yellow Dent.....	91.1	90.7	(79.4)	20.3	51.5	76.4	91.4	87.7
80	Doubet Yellow Dent.....	90.1	89.7	(83.0)	19.3	53.0	78.6	90.3	87.4
81	McKeighan Yellow Dent.....	93.6	93.3	(79.0)	20.3	44.5	66.0	94.0	87.0
82	Pioneer Hi-Bred 305A.....	86.0	85.3	(73.0)	19.0	60.5	89.8	85.9	86.9
83	Mountjoy Utility Dent.....	92.7	92.4	(84.9)	18.8	42.0	62.3	93.1	85.4
	Average of division.....	99.8	99.2	(56.3)	18.2	67.3	99.9	99.9	99.9
ADAIR: Experimental division, entry not in commercial production									
1	*Pfister-Stiegelmeier Hybrid 280.....	108.6	108.1	(42.1)	16.1	79	117.2	108.9	111.0
	Average of all Adair entries.....	99.9	99.3	(56.2)	18.2	67.4	.....	.....	.....
STANFORD: Regular division, entries in commercial production									
1	*Funk Hybrid G53.....	111.2	110.5	(16.8)	14.8	81	154.6	109.2	120.5
2	*Funk Hybrid G33.....	108.8	108.8	(24.8)	17.2	66	126.0	107.5	112.1
3	*Pioneer Hi-Bred 317.....	109.4	108.5	(15.3)	17.2	65	124.1	107.2	111.4
3	*Moews Hybrid 25.....	108.3	107.8	(23.3)	16.9	66	126.0	106.5	111.4
5	*Moews Hybrid 10.....	107.0	106.5	(16.7)	15.2	68	129.8	105.2	111.3
6	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	109.1	108.7	(17.3)	14.5	63	120.2	107.4	110.6
7	*DeKalb Hybrid 825.....	96.6	95.8	(17.0)	17.3	80	152.7	94.6	109.1
8	*Pioneer Hi-Bred 316.....	99.9	98.9	(10.6)	16.2	74	141.2	97.7	108.6
9	*Illinois Hybrid 960 (Holmes).....	114.5	112.9	(23.4)	16.6	50	95.4	111.5	107.5

¹Average of 5 plots instead of 10. ²Southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

(Stanford entries are continued on next page.)

Table 6.—CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Stanford: Regular division, continued)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
9	*Illinois Hybrid 936.....	107.7	107.7	(21.6)	17.2	58	110.7	106.4	107.5
11	*Pfister-Stiegelmeier Hybrid 367.....	103.8	103.1	(13.2)	15.7	65	124.1	101.8	107.4
12	*DeKalb Hybrid 870.....	108.3	108.1	(25.5)	16.6	57	108.6	106.8	107.3
13	*Illinois Hybrid 546 (McKeighan).....	101.7	100.9	(46.3)	16.9	67	127.9	99.7	106.7
14	*DeKalb Hybrid 801.....	104.8	104.4	(23.0)	16.6	61	116.4	103.1	106.4
15	*Ill. Hybrid 360 (Pfister-Stiegelmeier).....	111.0	110.7	(28.5)	15.9	50	95.4	109.3	105.9
16	*Ill. Hybrid 360A (Pfister-Stiegelmeier).....	106.5	105.6	(26.9)	15.9	58	110.7	104.3	105.9
17	*Funk Hybrid 212.....	106.6	105.7	(14.2)	16.8	57	108.8	104.4	105.5
17	*Iowaleth Hybrid 20.....	99.4	98.6	(7.6)	15.9	68	129.8	97.4	105.5
19	*DeKalb Hybrid 835.....	102.3	101.7	(22.6)	17.3	63	120.2	100.5	105.4
19	*Pioneer Hi-Bred 314.....	100.0	97.8	(25.4)	15.7	69	131.7	96.6	105.4
21	*Pfister-Stiegelmeier Hybrid 361.....	102.3	101.6	(21.0)	16.2	62	118.3	100.4	104.9
21	*Pioneer Hi-Bred 311A.....	101.3	99.7	(40.5)	14.5	65	124.1	98.5	104.9
21	*DeKalb Hybrid 498.....	96.7	96.5	(38.7)	15.1	70	133.6	95.3	104.9
24	*Illinois Hybrid 762.....	109.3	109.3	(17.1)	16.8	50	95.4	108.0	104.8
24	*DeKalb Hybrid 628.....	106.6	106.1	(23.8)	15.7	55	105.0	104.8	104.8
26	*Iowaleth Hybrid C.....	101.8	100.7	(16.7)	15.7	63	120.2	99.5	104.7
27	*Illinois Hybrid 754.....	103.9	103.5	(13.9)	17.4	58	110.7	102.2	104.3
27	*Pioneer Hi-Bred 311.....	102.5	100.8	(41.7)	15.1	62	118.3	99.6	104.3
29	*Pfister-Stiegelmeier Hybrid 380.....	103.0	103.0	(30.5)	14.8	58	110.7	101.7	104.0
30	*Illinois Hybrid 571.....	102.3	102.2	(40.7)	17.7	59	112.6	101.0	103.9
31	*Funk Hybrid 244.....	109.6	108.8	(16.5)	17.7	48	91.6	107.5	103.5
31	*Funk Hybrid G65.....	109.3	108.8	(32.0)	16.6	48	91.6	107.5	103.5
31	*U. S. Hybrid 61 (Moewa).....	107.3	106.8	(18.2)	15.2	51	97.3	105.5	103.5
34	*DeKalb Hybrid 871.....	106.9	106.7	(17.8)	15.7	51	97.3	105.4	103.4
35	*Illinois Hybrid 588 (Sibley Estate).....	104.2	104.0	(30.3)	17.8	55	105.0	102.7	103.3
36	*DeKalb Hybrid 640.....	99.1	98.6	(16.5)	17.5	62	118.3	97.4	102.6
37	*Illinois Hybrid 582.....	107.9	107.6	(9.0)	17.2	47	89.7	106.3	102.1
38	*U. S. Hybrid 45 (Moewa).....	106.6	106.1	(41.4)	18.2	48	91.6	104.8	101.5
39	*Pfister Hybrid 4857.....	93.8	93.0	(21.0)	15.2	68	129.8	91.9	101.3
40	*Pioneer Hi-Bred 307.....	105.6	104.6	(12.4)	16.8	49	93.5	103.3	100.9
41	*Illinois Hybrid 360A (Crow).....	102.9	102.0	(33.8)	16.3	52	99.2	100.8	100.4
42	*Iowaleth Hybrid 25B.....	105.7	105.0	(11.4)	17.2	46	87.8	103.7	99.7
42	*DeKalb Hybrid 606.....	100.3	99.8	(17.7)	18.1	54	103.1	98.6	99.7
44	*Funk Hybrid 235.....	102.5	102.0	(36.6)	17.0	49	93.5	100.8	98.9
45	*Pfister-Stiegelmeier Hybrid 369.....	98.6	98.6	(26.2)	17.1	54	103.1	97.4	98.8
46	*DeKalb Hybrid 601.....	96.5	96.5	(40.2)	15.6	57	108.8	95.3	98.7
47	*DeKalb Hybrid 841.....	100.5	100.2	(25.9)	17.0	51	97.3	99.0	98.6
48	*Funk Hybrid G60.....	102.0	101.6	(18.3)	15.6	48	91.6	100.4	98.2
49	*Iowaleth Hybrid 25.....	101.4	100.8	(29.1)	16.2	49	93.5	99.6	98.1
50	*Pfister Hybrid 363.....	101.1	100.6	(21.3)	16.2	49	93.5	99.4	97.9
51	*Pfister-Stiegelmeier Hybrid 260A.....	102.7	101.5	(38.2)	16.2	47	89.7	100.3	97.6
52	*Illinois Hybrid 753 (Sibley Estate).....	103.9	103.3	(44.0)	18.7	44	84.0	102.0	97.5
53	*DeKalb Hybrid 834.....	105.4	104.7	(31.6)	17.1	41	78.2	103.4	97.1
54	*Illinois Hybrid 543 (Shiesler).....	96.8	96.8	(34.1)	17.5	53	101.2	95.6	97.0
55	*Pioneer Hi-Bred 312.....	105.4	105.0	(17.2)	17.2	40	76.3	103.7	96.9
56	*DeKalb Hybrid 641.....	93.3	92.6	(24.6)	16.5	59	112.6	91.5	96.8
57	*DeKalb Hybrid 875.....	102.4	101.6	(19.5)	15.5	45	85.9	100.4	96.7
57	*Illinois Hybrid 368 (Pfister-Lazier).....	95.8	95.1	(43.4)	16.6	55	105.0	94.0	96.7
59	*Iowaleth Hybrid CA.....	97.0	96.2	(25.2)	16.4	53	101.2	95.0	96.6
60	*National Hybrid 121.....	95.4	95.0	(27.6)	15.7	54	103.1	93.8	96.1
61	*Iowaleth Hybrid 20A.....	97.8	97.3	(28.5)	16.9	50	95.4	96.1	95.9
62	*Funk Hybrid G45.....	101.1	100.6	(7.7)	18.1	44	85.0	99.4	95.8
63	*Illinois Hybrid 391.....	98.1	98.1	(27.4)	18.7	47	89.7	96.9	95.1
64	*Iowaleth Hybrid CC.....	100.1	99.6	(19.0)	18.9	43	82.1	98.4	94.3
65	Canterbury Yellow Dent.....	98.1	98.1	(38.6)	18.3	45	85.9	96.9	94.1
66	*Funk Hybrid 244T.....	103.6	102.7	(22.1)	17.5	37	70.6	101.4	93.7
67	*Illinois Hybrid 384.....	93.8	93.2	(55.6)	17.5	49	93.5	92.1	92.4
68	*DeKalb Hybrid 602.....	97.9	97.5	(35.2)	18.7	40	76.3	96.3	91.3
69	*Funk Hybrid G62.....	99.2	98.8	(19.1)	19.5	35	66.8	97.6	89.9
70	Doubet Yellow Dent.....	86.3	86.0	(46.9)	18.3	54	103.1	85.0	89.5
71	McKeighan Yellow Dent.....	91.7	91.3	(62.8)	17.8	45	85.9	90.2	89.1
●	Average of 5 best open-pollinated var.....	92.2	91.8	(50.2)	18.0	43	82.8	90.5	88.6
72	*Pioneer Hi-Bred 305A.....	94.0	93.5	(54.8)	17.8	40	76.3	92.4	88.3
72	*Funk Hybrid 220L (Smith).....	93.6	93.4	(52.3)	17.0	40	76.3	92.3	88.3
74	*DeKalb Hybrid 634.....	97.0	96.5	(44.3)	15.4	35	66.8	95.3	88.2
74	*Illinois Iowaleth Hybrid 25.....	93.4	92.7	(42.1)	15.9	41	78.2	91.6	88.2
76	*Pioneer Hi-Bred 308.....	90.5	88.5	(41.8)	16.9	47	89.7	87.4	88.0
77	*National Hybrid 124.....	94.8	93.9	(30.2)	16.8	37	70.6	92.8	87.2
78	Station Yellow Dent.....	94.7	94.2	(57.1)	17.9	36	68.7	93.1	87.0

*Average of 5 plots instead of 10. ¹Southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

(Stanford entries are concluded on next page.)

Table 6.—CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Stanford: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
79	*Illinois Hybrid 710.....	97.2	96.1	(24.8)	18.7	33	63.0	94.9	86.9
80	*Bear Hybrid 16.....	96.1	95.5	(33.3)	17.0	33	63.0	94.3	86.5
81	*Illinois Hybrid 947.....	93.4	92.6	(33.1)	19.6	37	70.6	91.5	86.3
82	*Illinois Hybrid 538.....	94.2	94.0	(48.0)	19.8	32	61.1	92.9	84.9
83	*Mountjoy Utility Dent.....	90.3	89.6	(45.9)	17.7	37	70.6	88.5	84.0
84	*National Hybrid 125.....	90.0	88.8	(26.7)	19.9	35	66.8	87.7	82.5
85	*National Hybrid 122.....	87.2	86.5	(29.1)	15.9	35	66.8	85.4	80.8
	Average of division.....	100.9	100.3	(28.4)	16.8	52	99.3	99.1	99.2
STANFORD: Experimental division, entries not in commercial production									
1	*Pfister-Stiegelmeier Hybrid 90.....	110.8	110.8	(29.5)	16.1	72	137.4	109.4	116.4
2	*Iowaleth Hybrid 53.....	115.7	115.0	(21.3)	18.3	65	124.1	113.6	116.2
3	*Pfister-Stiegelmeier Hybrid 260.....	100.7	100.5	(19.0)	17.8	75	143.1	99.3	110.2
4	*Pfister-Stiegelmeier Hybrid 70.....	101.8	101.5	(11.8)	14.1	72	137.4	100.3	109.5
5	*Pfister-Stiegelmeier Hybrid 30.....	104.2	103.9	(10.9)	17.2	67	127.9	102.6	108.9
6	*Pfister-Stiegelmeier Hybrid 80.....	109.0	108.1	(15.3)	17.2	60	114.5	106.8	108.7
7	*Iowaleth Hybrid 50.....	112.8	112.6	(10.0)	15.4	50	95.4	111.2	107.3
8	*Pfister-Stiegelmeier Hybrid 60.....	98.4	97.4	(18.5)	15.5	73	139.3	96.2	107.0
9	*Pfister-Stiegelmeier Hybrid 266.....	104.2	103.3	(14.8)	16.8	63	120.2	102.0	106.6
10	*U. S. Hybrid 65 (Moewa).....	110.8	110.2	(34.3)	16.2	52	99.2	108.9	106.4
11	*Moewa Hybrid 12.....	107.4	107.2	(26.2)	17.5	54	103.1	105.9	105.2
12	*DeKalb Hybrid DE21.....	102.0	101.9	(52.7)	15.2	61	116.4	100.7	104.6
13	*DeKalb Hybrid SXX19.....	111.1	110.6	(41.7)	15.2	45	85.9	109.3	103.4
13	*Illinois Hybrid 60.....	105.6	104.8	(10.9)	17.2	54	103.1	103.5	103.4
15	*Iowaleth Hybrid 54.....	103.0	102.6	(35.4)	18.4	56	106.9	101.3	102.7
16	*Pfister-Stiegelmeier Hybrid 280.....	106.2	105.4	(28.5)	15.6	51	97.3	104.1	102.4
17	*Iowaleth Hybrid 20V.....	101.7	101.3	(17.8)	18.7	56	106.9	100.1	101.8
18	*Pfister-Stiegelmeier Hybrid 40.....	102.9	102.9	(15.1)	18.1	52	99.2	101.6	101.0
19	*Iowaleth Hybrid 52.....	105.9	105.3	(35.3)	19.3	42	80.2	104.0	98.0
20	*Pfister-Stiegelmeier Hybrid 50.....	107.7	106.7	(62.6)	15.7	38	72.5	105.4	97.2
21	*DeKalb Hybrid DE8.....	94.6	94.5	(40.7)	15.7	55	105.0	93.3	96.2
22	*Iowaleth Hybrid 25V.....	105.3	104.2	(16.4)	19.0	38	72.5	102.9	95.3
23	*Iowaleth Hybrid 51.....	103.2	102.4	(34.1)	17.7	40	76.3	101.2	94.9
24	*DeKalb Hybrid DE20.....	93.2	92.3	(41.0)	19.3	55	105.0	91.2	94.6
25	*DeKalb Hybrid DE14.....	100.8	100.4	(30.7)	19.8	39	74.4	99.2	93.0
26	*DeKalb Hybrid 815W.....	100.3	99.5	(27.6)	19.0	36	68.7	98.3	90.9
27	*DeKalb Hybrid 802W.....	105.6	104.7	(69.5)	20.8	27	51.5	103.4	90.4
	Average of division.....	104.6	104.1	(28.6)	17.3	53.6	102.3	102.8	102.7
	Average of all Stanford entries.....	101.8	101.2	(28.5)	16.9	52.4	....	....	....
ARMSTRONG: Regular division, entries in commercial production									
				Damaged corn ²					
1	*DeKalb Hybrid 870.....	81.4	81.2	.29	15.9	86.0	98.1	112.7	109.2
2	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	79.2	79.2	0	15.2	91.5	104.3	109.9	108.5
3	Pioneer Hi-Bred 317.....	79.4	78.8	.78	16.4	92.5	105.5	109.4	108.4
4	*Illinois Hybrid 546 (McKeighan).....	79.4	79.4	0	15.7	90.0	102.6	110.2	108.3
5	*Funk Hybrid G33.....	78.6	78.6	0	16.1	91.0	103.8	109.1	107.8
6	*Iowaleth Hybrid C.....	77.6	77.6	0	15.9	94.0	107.2	107.7	107.6
7	*Illinois Hybrid 582.....	80.3	80.0	.35	16.2	85.0	96.9	111.0	107.5
7	*Illinois Hybrid 960 (Holmes).....	79.2	78.9	.38	16.1	89.0	101.5	109.5	107.5
9	*U. S. Hybrid 45 (Moewa).....	78.4	78.3	.01	16.1	91.0	103.8	108.7	107.4
10	*Pioneer Hi-Bred 312.....	79.5	79.5	0	16.1	86.0	98.1	110.3	107.3
11	*Pfister-Stiegelmeier Hybrid 260A.....	78.2	78.2	0	15.9	89.0	101.5	108.5	106.8
12	Pioneer Hi-Bred 307.....	76.6	76.6	.02	15.3	92.5	105.5	106.3	106.1
13	*Moewa Hybrid 25.....	76.5	76.5	0	16.7	92.0	104.9	106.2	105.9
14	Pioneer Hi-Bred 314.....	76.8	76.4	.47	15.4	91.0	103.8	106.0	105.5
15	*U. S. Hybrid 61 (Moewa).....	76.0	75.7	.33	15.3	92.0	104.9	105.1	105.0
16	*Pfister-Stiegelmeier Hybrid 363.....	77.1	77.1	0	16.1	86.5	98.6	107.0	104.9
16	Funk Hybrid 212.....	76.3	75.9	.46	16.1	91.0	103.8	105.3	104.9
18	*Pfister-Stiegelmeier Hybrid 361.....	76.7	76.6	.15	15.9	88.0	100.3	106.3	104.8
19	Funk Hybrid 244T.....	76.7	76.4	.34	16.1	87.5	99.8	106.0	104.5
20	*Illinois Hybrid 753.....	76.9	76.7	.32	17.4	86.0	98.1	106.5	104.4
21	*Iowa Hybrid 939 (Crow).....	75.0	75.0	.03	15.1	92.0	104.9	104.1	104.3
22	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	74.7	74.7	0	15.9	92.5	105.5	103.7	104.1

¹Average of 5 plots instead of 10. ²Southern corn rootworm, *Diabrotica duodecimpunctata* Fab. ³In shelled sample.

(Armstrong entries are concluded on next page.)

Table 6.—CENTRAL ILLINOIS: Concluded

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Armstrong: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
23	*Illinois Hybrid 588.....	77.5	77.4	.09	16.3	82.0	93.5	107.4	104.0
24	*DeKalb Hybrid 606.....	74.7	74.6	.20	16.0	92.0	104.9	103.5	103.9
25	*U. S. Hybrid 44 (Moews).....	74.9	74.7	.30	16.7	91.0	103.8	103.7	103.7
26	Funk Hybrid G62.....	75.6	75.4	.25	18.2	87.5	99.8	104.7	103.4
27	*Moews Hybrid 10.....	73.8	73.6	.22	15.9	93.0	106.0	102.2	103.1
28	*Funk Hybrid G53.....	75.2	75.1	.10	16.1	87.0	99.2	104.2	103.0
28	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	74.3	74.3	0	15.3	90.0	102.6	103.1	103.0
30	*DeKalb Hybrid 871.....	74.2	74.2	0	15.8	90.0	102.6	103.0	102.9
31	Pfister-Stiegelmeier Hybrid 380.....	74.0	74.0	0	15.1	89.5	102.0	102.7	102.5
32	*Illinois Hybrid 360A (Crow).....	73.9	73.9	0	15.9	89.0	101.5	102.6	102.3
33	*DeKalb Hybrid 834.....	74.1	74.1	0	16.1	88.0	100.3	102.9	102.2
34	Funk Hybrid 244.....	73.3	73.3	.10	15.1	88.5	100.9	101.7	101.5
34	*DeKalb Hybrid 602.....	72.9	72.9	0	16.3	90.0	102.6	101.2	101.5
36	Iowaleth Hybrid 20.....	72.8	72.8	0	15.1	89.5	102.0	101.0	101.3
37	Funk Hybrid G60.....	72.4	72.4	.01	16.2	90.0	102.6	100.5	101.0
38	*DeKalb Hybrid 841.....	71.8	71.7	.10	16.3	91.0	103.8	99.5	100.6
39	Pfister-Stiegelmeier Hybrid 367.....	71.0	70.9	.13	14.8	93.5	106.6	98.4	100.5
40	Funk Hybrid 235.....	72.4	72.3	.10	15.9	88.0	100.3	100.4	100.4
40	*National Hybrid 121.....	71.8	71.8	0	16.1	90.0	102.6	99.7	100.4
42	Funk Hybrid G45.....	72.5	72.5	0	15.6	86.5	98.6	100.6	100.1
43	Funk Hybrid G65.....	71.6	71.6	0	16.1	88.5	100.9	99.4	99.8
44	*DeKalb Hybrid 640.....	70.6	70.6	0	15.9	92.0	104.9	98.0	99.7
45	*Illinois Hybrid 391.....	72.0	71.4	.82	18.6	88.0	100.3	99.1	99.4
46	*Pioneer Hi-Bred 311.....	71.0	70.4	.85	14.0	89.0	101.5	97.7	98.7
46	*Illinois Hybrid 368 (Pfister-Lazier).....	70.5	70.4	.19	16.6	89.0	101.5	97.7	98.7
48	*DeKalb Hybrid 835.....	72.8	72.8	.02	17.3	80.0	91.2	101.0	98.6
48	Bear Hybrid 16.....	71.0	71.0	0	14.3	86.5	98.6	98.5	98.6
48	Pioneer Hi-Bred 316.....	69.8	69.4	.53	15.4	92.5	105.5	96.3	98.6
51	Pfister-Stiegelmeier Hybrid 369.....	69.8	69.7	.14	14.5	91.0	103.8	96.7	98.5
52	*DeKalb Hybrid 628.....	71.0	71.0	0	15.9	86.0	98.1	98.5	98.4
52	Pioneer Hi-Bred 311A.....	70.2	69.9	.42	14.4	90.0	102.6	97.0	98.4
54	National Hybrid 124.....	70.8	70.2	.88	16.8	88.5	100.9	97.4	98.3
55	*DeKalb Hybrid 875.....	69.6	69.6	0	14.3	90.0	102.6	96.6	98.1
56	*Iowaleth Hybrid 25B.....	69.8	69.8	0	17.2	89.0	101.5	96.9	98.0
56	*National Hybrid 125.....	69.2	69.2	.03	17.7	91.0	103.8	96.0	98.0
58	*DeKalb Hybrid 825.....	70.0	69.9	.16	18.2	88.0	100.3	97.0	97.9
59	Pioneer Hi-Bred 308.....	70.0	69.3	1.06	16.2	88.0	100.3	96.2	97.2
60	Iowaleth Hybrid 25.....	68.4	68.3	.18	15.4	91.0	103.8	94.8	97.0
61	*DeKalb Hybrid 498.....	68.8	68.7	.10	15.1	88.0	100.3	95.4	96.6
62	*Illinois Hybrid 543 (Shissler).....	68.7	68.7	.10	15.9	87.5	99.8	95.4	96.5
62	*Iowaleth Hybrid CA.....	68.1	68.1	0	15.1	90.0	102.6	94.5	96.5
64	*DeKalb Hybrid 601.....	68.6	68.1	.67	15.7	89.0	101.5	94.5	96.3
64	*Illinois-Iowaleth Hybrid 25.....	68.4	67.9	.74	15.9	90.0	102.6	94.2	96.3
66	National Hybrid 122.....	71.4	71.0	.54	15.4	78.0	88.9	98.5	96.1
67	*DeKalb Hybrid 641.....	67.5	67.5	0	15.4	89.0	101.5	93.7	95.6
67	Iowaleth Hybrid 20A.....	66.9	66.8	.20	14.6	91.5	104.3	92.7	95.6
69	*Illinois Hybrid 384.....	65.9	65.9	.02	15.3	88.0	100.3	91.5	93.7
70	*DeKalb Hybrid 634.....	65.6	65.5	.16	15.1	89.0	101.5	90.9	93.6
71	*Pfister Hybrid 4857.....	67.3	67.1	.30	15.6	83.0	94.6	93.1	93.5
71	*Illinois Hybrid 710.....	65.8	65.7	.18	16.7	88.0	100.3	91.2	93.5
73	Canterbury Yellow Dent.....	63.8	68.8	0	19.0	76.0	86.7	95.5	93.3
74	*Illinois Hybrid 538.....	66.6	66.6	0	17.7	83.0	94.6	92.4	93.0
75	*DeKalb Hybrid 801.....	65.1	65.1	0	17.2	87.0	99.2	90.4	92.6
76	McKeighan Yellow Dent.....	66.6	66.6	0	18.4	79.5	90.6	92.4	92.0
77	Mountjoy Utility Dent.....	68.7	68.6	.15	16.5	70.0	79.8	95.2	91.4
78	Pioneer Hi-Bred 305A.....	65.5	65.2	.46	19.2	82.0	93.5	90.5	91.2
79	*Illinois Hybrid 947.....	64.1	64.1	0	17.4	85.0	96.9	89.0	91.0
79	*Iowaleth Hybrid CC.....	62.9	62.8	.17	16.2	90.0	102.6	87.2	91.0
81	*Eversole White Dent.....	67.4	67.2	.26	17.7	73.0	83.2	93.3	90.8
	● Average of 5 best open-pollinated var.....	66.8	66.8	.03	18.1	74.2	84.6	92.7	90.7
82	Station Yellow Dent.....	66.7	66.7	0	18.6	73.5	83.8	92.6	90.4
83	*Funk Hybrid 220L (Smith).....	61.5	61.3	.32	15.7	82.0	93.5	85.1	87.2
84	Doubet Yellow Dent.....	63.3	63.3	0	17.9	72.0	82.1	87.9	86.4
	Average of division.....	72.0	71.9	.18	16.5	87.8	99.9	99.8	99.9

ARMSTRONG: Experimental division, entries not in commercial production

1	*U. S. Hybrid 65 (Moews).....	79.6	79.6	.01	14.8	89.0	101.5	110.5	108.2
2	*Pfister-Stiegelmeier Hybrid 280.....	76.1	75.8	.35	15.7	90.0	102.6	105.2	104.6
	Average of division.....	77.9	77.7	.18	15.3	89.5	102.0	107.8	106.4
	Average of all Armstrong entries.....	72.2	72.1	.18	16.1	87.8	....	....	....

*Average of 5 plots instead of 10.

Table 7.—SOUTH-CENTRAL ILLINOIS: Jacksonville and Sullivan

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Regular division, entries in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Funk Hybrid 244T.....	115.3	115.2	.15	16.3	82.2	108.4	113.3	112.1
2	DeKalb Hybrid 870.....	112.5	112.3	.15	16.5	81.0	106.9	111.4	110.3
3	Funk Hybrid G49.....	109.6	109.4	.22	16.8	85.7	113.1	107.6	108.9
4	Funk Hybrid G46.....	111.6	111.4	.18	18.4	79.0	104.2	109.5	108.2
5	DeKalb Hybrid 871.....	110.5	110.3	.21	16.2	79.8	105.3	108.5	107.7
6	Illinois Hybrid 863.....	110.5	110.1	.33	18.8	79.0	104.2	108.3	107.3
7	Funk Hybrid G56.....	112.1	112.0	.09	18.6	74.6	98.4	110.1	107.2
8	Funk Hybrid 244.....	109.4	109.1	.26	17.0	80.7	106.5	107.3	107.1
9	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	108.2	108.0	.13	16.1	82.5	108.9	106.2	106.9
10	Illinois Hybrid 940.....	107.6	107.5	.06	18.6	83.5	105.6	110.2	106.8
11	Illinois Hybrid 960 (Holmes).....	109.7	109.5	.21	16.4	74.3	98.0	107.7	105.3
12	U. S. Hybrid 61 (Moews).....	107.6	107.5	.06	15.2	77.0	101.6	105.7	104.7
13	DeKalb Hybrid 801.....	103.2	103.0	.25	17.1	86.7	114.4	101.3	104.6
14	Funk Hybrid B50.....	105.7	105.3	.29	18.2	81.3	107.3	103.5	104.5
14	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	104.9	104.6	.30	16.3	82.7	109.1	102.9	104.5
16	DeKalb Hybrid 875.....	106.3	106.2	.15	14.3	78.1	103.0	104.4	104.1
17	Funk Hybrid 212.....	104.4	104.1	.27	16.4	81.2	107.1	102.4	103.6
18	U. S. Hybrid 45 (Moews).....	105.3	105.0	.23	16.6	78.3	103.3	103.2	103.2
19	Illinois Hybrid 360A (Crow).....	104.3	104.1	.22	16.0	79.0	104.2	102.4	102.9
20	Illinois Hybrid 877.....	108.9	108.7	.18	18.9	68.5	90.4	106.9	102.8
21	Ill. Hybrid 366 (Pfister-Stiegelmeier).....	105.1	104.8	.23	15.8	77.0	101.6	103.0	102.7
21	Pfister Hybrid 363.....	101.7	101.4	.27	16.0	84.6	111.6	99.7	102.7
23	Pfister-Stiegelmeier Hybrid 260A.....	103.5	103.2	.29	15.4	79.4	104.7	101.5	102.3
24	Pfister-Stiegelmeier Hybrid 380.....	102.6	102.3	.27	16.1	81.0	106.9	100.6	102.2
24	DeKalb Hybrid 825.....	98.9	98.6	.26	18.4	89.4	117.9	97.0	102.2
26	DeKalb Hybrid 834.....	102.5	102.2	.28	17.1	81.0	106.9	100.5	102.1
27	Funk Hybrid 235.....	104.5	104.5	.08	17.2	75.6	99.7	102.8	102.0
28	Pfister-Stiegelmeier Hybrid 367.....	99.1	98.7	.35	15.5	88.3	116.5	97.0	101.9
29	Funk Hybrid G62.....	103.8	103.5	.23	18.8	76.4	100.8	101.8	101.6
30	Funk Hybrid G87.....	105.1	104.9	.17	18.3	71.8	94.7	103.1	101.0
30	Illinois Hybrid 582.....	102.9	102.7	.16	17.4	76.5	100.9	101.0	101.0
30	DeKalb Hybrid 835.....	101.3	101.1	.16	17.1	80.2	105.8	99.4	101.0
33	Bear Hybrid 20.....	104.9	104.9	.02	16.4	70.5	93.0	103.1	100.6
34	Iowa Hybrid CC.....	99.7	99.6	.15	15.8	82.0	108.2	97.9	100.5
35	Moews Hybrid 25.....	98.7	98.4	.26	19.3	83.2	109.8	96.8	100.1
36	Iowa Hybrid C.....	100.0	100.0	.06	15.8	78.0	102.9	98.3	99.5
37	Bear Hybrid 19.....	102.0	101.7	.26	15.2	74.0	97.6	100.0	99.4
38	Illinois Hybrid 66.....	105.0	104.8	.15	18.2	66.5	87.7	103.0	99.2
39	Pfister-Stiegelmeier Hybrid 361.....	99.3	99.1	.25	16.0	77.8	102.6	97.4	98.7
39	National Hybrid 125.....	98.9	98.7	.27	17.0	78.5	103.6	97.0	98.7
41	Iowa Hybrid 20A.....	98.2	98.1	.19	15.4	79.5	104.9	96.5	98.6
42	DeKalb Hybrid 889.....	93.7	93.6	.11	17.1	89.0	117.4	92.0	98.4
43	Illinois Hybrid 46.....	99.0	98.7	.24	15.0	77.5	102.2	97.0	98.3
43	Pfister-Stiegelmeier Hybrid 369.....	95.8	95.7	.14	15.1	83.9	110.7	94.1	98.3
45	Iowa Hybrid 25B.....	100.3	100.3	.03	16.9	72.5	95.6	98.6	97.9
46	Bear Hybrid 17.....	104.1	103.8	.30	15.1	64.0	84.4	102.1	97.7
47	Illinois-Iowa Hybrid 25.....	98.3	98.0	.27	16.6	75.0	98.9	96.4	97.0
48	Iowa Hybrid CA.....	95.0	94.9	.05	15.6	81.0	106.9	93.3	96.7
49	Illinois Hybrid 368 (Pfister-Lazier).....	92.8	92.6	.16	14.9	85.5	112.8	91.1	96.5
50	Funk Hybrid G40.....	95.5	95.4	.11	17.9	79.0	104.2	93.8	96.4
51	Funk Hybrid G52.....	95.2	94.8	.50	13.8	79.8	105.3	93.2	96.2
52	Funk Hybrid 207 (Columbiana).....	98.7	98.5	.18	17.5	70.1	92.5	96.9	95.8
53	Illinois Hybrid 710.....	97.1	96.8	.29	16.9	71.0	93.7	95.2	94.8
54	Bear Hybrid 18.....	93.9	93.5	.40	14.8	77.5	102.2	91.9	94.5
55	Illinois Hybrid 947.....	94.7	94.4	.33	17.9	73.7	97.2	92.8	93.9
56	Funk Hybrid 220L (Smith).....	93.2	92.9	.28	16.3	76.5	100.9	91.3	93.7
57	Bear Hybrid 16.....	97.3	97.0	.31	15.8	66.0	87.1	95.4	93.3
58	National Hybrid 124.....	94.0	93.8	.25	18.2	70.7	93.3	92.2	92.5
59	National Hybrid 122.....	94.4	93.8	.66	15.1	69.8	92.1	92.2	92.2
60	Bunning White Dent.....	100.8	100.7	.08	18.2	53.9	71.1	99.0	92.0
61	Illinois Hybrid 538.....	91.9	91.9	.07	18.2	68.0	89.7	90.4	90.2
62	Rice White Dent.....	99.7	99.7	.02	18.6	48.9	64.5	98.0	89.6
63	Funk Hybrid G54.....	94.7	94.4	.27	17.7	58.9	77.7	92.8	89.0
63	● Average of 5 best open-pollinated var.....	96.4	96.2	.11	18.7	50.0	66.0	94.7	87.5
64	Waddell Utility Yellow Dent.....	95.9	95.8	.07	18.5	50.0	66.0	94.2	87.2
64	Station Yellow Dent.....	95.9	95.6	.35	18.6	50.7	66.9	94.0	87.2
Average of division.....		101.8	101.6	.21	16.6	76.0	100.3	99.9	100.0

¹Only those entries are included that were tested on both fields.

(Entries are continued on next page.)

Table 7.—SOUTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Experimental division, entries <i>not</i> in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Pfister-Stiegelmeier Hybrid 280.....	106.6	106.3	.22	15.8	85.2	112.4	104.5	106.5
2	DeKalb Hybrid 804W.....	110.2	109.9	.24	18.5	69.0	91.0	108.1	103.8
3	DeKalb Hybrid 813W.....	111.1	111.0	.07	20.0	65.0	85.8	109.1	103.3
4	DeKalb Hybrid 803W.....	108.9	108.7	.21	21.4	67.0	88.4	106.9	102.3
5	Moews Hybrid 12.....	101.1	100.8	.30	16.2	80.0	105.5	99.1	100.7
6	DeKalb Hybrid 805W.....	105.0	104.9	.07	19.1	70.5	93.0	103.1	100.6
7	DeKalb Hybrid DE25.....	98.7	98.5	.20	16.3	78.5	103.6	96.9	98.6
8	DeKalb Hybrid DE20.....	93.9	93.9	.01	16.5	80.0	105.5	92.3	95.6
	Average of division.....	104.4	104.3	.16	18.0	74.4	98.2	102.5	101.4
	Average of all entries.....	102.0	101.8	.21	16.6	75.7	....	....	....
JACKSONVILLE: Regular division, entries in commercial production									
1	Funk Hybrid 244T.....	108.0	107.9	.05	15.2	81	110.4	114.4	113.4
2	*Funk Hybrid G46.....	110.4	110.3	.08	17.2	75	102.2	117.0	113.3
3	Funk Hybrid G49.....	100.6	100.4	.16	15.9	88	119.2	106.2	109.9
4	DeKalb Hybrid 870.....	104.3	104.3	.04	15.2	78	106.3	110.6	109.5
5	*U. S. Hybrid 61 (Moews).....	105.9	105.8	.05	14.3	71	96.8	112.2	108.3
5	Funk Hybrid G56.....	104.9	104.9	.02	17.5	73	99.5	111.2	108.3
7	*Illinois Hybrid 863.....	102.8	102.6	.15	17.5	76	103.6	108.8	107.5
8	DeKalb Hybrid 871.....	102.0	101.9	.07	15.2	77	104.9	108.1	107.3
8	Funk Hybrid B50.....	97.8	97.6	.17	17.2	87	118.6	103.5	107.3
10	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	99.7	99.6	.06	14.8	81	110.4	105.6	106.8
11	Illinois Hybrid 940.....	99.2	99.2	0	17.5	81	110.4	105.2	106.5
12	Funk Hybrid 244.....	99.4	99.3	.11	16.2	77	104.9	105.3	105.2
13	*Illinois Hybrid 877.....	104.3	104.3	.03	18.1	65	88.6	110.6	105.1
14	Moews Hybrid 25.....	96.4	96.3	.07	16.5	83	113.1	102.1	104.9
15	Funk Hybrid 212.....	98.1	98.1	.04	14.8	78	106.3	104.0	104.6
16	Illinois Hybrid 960 (Holmes).....	100.1	100.0	.13	15.2	73	99.5	106.0	104.4
16	DeKalb Hybrid 825.....	94.1	94.0	.13	16.6	87	118.6	99.7	104.4
18	Illinois Hybrid 360A (Crow).....	99.5	99.4	.09	14.3	74	100.8	105.4	104.3
18	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	96.0	96.0	.04	14.5	82	111.8	101.8	104.3
20	*Bear Hybrid 19.....	98.9	98.8	.09	14.8	75	102.2	104.8	104.2
21	*Pfister Hybrid 363.....	95.5	95.3	.17	14.8	83	113.1	101.1	104.1
22	DeKalb Hybrid 875.....	96.7	96.6	.09	14.3	79	107.7	102.4	103.7
22	*Iowa Hybrid CC.....	93.9	93.9	.03	14.8	85	115.8	99.6	103.7
24	Pfister-Stiegelmeier Hybrid 260A.....	97.7	97.6	.10	14.3	76	103.6	103.5	103.5
25	DeKalb Hybrid 834.....	96.4	96.3	.09	16.1	78	106.3	102.1	103.2
26	U. S. Hybrid 45 (Moews).....	97.5	97.4	.07	15.4	74	100.8	103.3	102.7
26	Pfister-Stiegelmeier Hybrid 380.....	96.3	96.2	.07	14.7	77	104.9	102.0	102.7
28	Funk Hybrid G87.....	97.5	97.4	.08	16.7	73	99.5	103.3	102.3
29	Pfister-Stiegelmeier Hybrid 367.....	90.4	90.3	.07	14.3	86	117.2	95.8	101.2
30	Funk Hybrid 235.....	94.4	94.3	.12	15.9	74	100.8	100.0	100.2
31	*Iowa Hybrid 20A.....	93.5	93.4	.16	14.3	76	103.6	99.0	100.1
32	Funk Hybrid G52.....	91.5	91.3	.27	15.2	80	109.0	96.8	99.9
33	*National Hybrid 125.....	90.5	90.5	.14	16.4	81	110.4	96.0	99.6
34	DeKalb Hybrid 835.....	92.2	92.1	.09	15.7	77	104.9	97.7	99.5
35	*Illinois Hybrid 582.....	93.6	93.6	.02	15.7	73	99.5	99.3	99.3
36	Pfister-Stiegelmeier Hybrid 361.....	93.9	93.8	.08	15.2	72	98.1	98.5	99.2
37	*Ill. Hybrid 366 (Pfister-Stiegelmeier).....	95.2	95.1	.12	15.5	69	94.0	100.8	99.1
38	Illinois-Iowa Hybrid 25.....	92.4	92.3	.10	15.5	75	102.2	97.9	99.0
39	DeKalb Hybrid 889.....	86.4	86.3	.10	15.7	88	119.9	91.5	98.6
40	*Bear Hybrid 20.....	93.0	93.0	.04	15.3	72	98.1	98.6	98.5
41	*Iowa Hybrid 25B.....	93.3	93.3	.04	15.7	70	95.4	98.9	98.0
42	*Illinois Hybrid 368 (Pfister-Lazier).....	85.8	85.7	.06	13.4	87	118.6	90.9	97.8
43	*Iowa Hybrid C.....	90.0	89.9	.08	14.3	77	104.9	95.3	97.7
44	Pfister-Stiegelmeier Hybrid 369.....	88.1	88.0	.08	14.5	81	110.4	93.3	97.6
45	*Illinois Hybrid 66.....	95.1	95.1	.05	17.2	63	88.9	100.8	97.1
45	*Illinois Hybrid 46.....	89.2	89.1	.09	14.2	77	104.9	94.5	97.1
47	Funk Hybrid G62.....	91.3	91.2	.07	17.8	70	95.4	96.7	96.4
48	National Hybrid 124.....	89.9	89.9	.05	16.5	72	98.1	95.3	96.0
48	Illinois Hybrid 947.....	89.6	89.5	.11	16.8	73	99.5	94.9	96.0
50	*Iowa Hybrid CA.....	86.3	86.2	.06	15.2	78	106.3	91.4	95.1

¹Average of 5 plots instead of 10.²Only those entries are included that were tested on both fields.

(Jacksonville entries are concluded on next page.)

Table 7.—SOUTH-CENTRAL ILLINOIS: Continued

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Jacksonville: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
51	Funk Hybrid 207 (Columbiana)	90.4	90.3	.12	16.6	68	92.7	95.8	95.0
51	*Funk Hybrid G40.	87.0	86.9	.12	17.1	76	103.6	92.2	95.0
53	*Illinois Hybrid 710.	89.3	89.2	.12	16.6	69	94.0	94.6	94.5
54	*Bear Hybrid 16.	90.9	90.8	.07	15.2	65	88.6	96.3	94.4
55	*Illinois Hybrid 538.	87.7	87.6	.11	17.7	70	95.4	92.9	93.5
56	*Bear Hybrid 17.	93.1	93.1	.05	13.8	56	76.3	98.7	93.1
57	Funk Hybrid 220L (Smith)	82.0	81.9	.13	15.9	78	106.3	86.9	91.8
58	*National Hybrid 122.	86.8	86.6	.25	14.8	64	87.2	91.8	90.7
59	Bunning White Dent.	89.7	89.7	.05	18.2	56	76.3	95.1	90.4
60	Waddell Utility Yellow Dent.	88.8	88.7	.08	17.8	56	76.3	94.1	89.7
	● Average of 5 best open-pollinated var.	88.4	88.3	.07	17.6	53	72.2	93.6	88.3
61	Rice White Dent.	88.7	88.7	.04	16.9	51	69.5	94.1	88.0
62	Funk Hybrid G54.	86.3	86.2	.08	17.1	56	76.3	91.4	87.6
63	Wilson Yellow Dent.	88.8	88.8	.05	18.0	49	66.8	94.2	87.3
64	Station Yellow Dent.	85.9	85.8	.11	16.9	53	72.2	91.0	86.3
	Average of division.	94.3	94.2	.09	15.8	73.8	100.6	99.9	100.1

JACKSONVILLE: Experimental division, entries *not* in commercial production

1	DeKalb Hybrid 801.....	99.8	99.7	.12	15.7	85	115.8	105.7	108.2
2	Pfister-Stiegelmeier Hybrid 280.....	95.8	95.7	.07	14.3	82	111.8	101.5	104.1
3	*Moews Hybrid 12.....	99.2	99.2	.05	15.1	70	95.4	105.2	102.7
4	*DeKalb Hybrid 803W.....	103.0	103.0	.02	20.8	60	81.8	109.2	102.3
5	*DeKalb Hybrid 804W.....	100.1	100.0	.12	17.9	64	87.2	106.0	101.3
6	*Iowa Hybrid 52.....	95.6	95.5	.09	16.2	73	99.5	101.3	100.8
7	*Iowa Hybrid 51.....	84.1	84.0	.14	16.8	76	103.6	99.7	100.7
8	*Illinois Hybrid 427.....	98.4	98.4	0	17.2	64	87.2	104.3	100.0
9	*DeKalb Hybrid 810W.....	97.2	97.1	.09	19.0	65	88.6	103.0	99.4
9	*Illinois Hybrid 1058.....	95.2	95.1	.08	15.7	70	95.4	100.8	99.4
9	*DeKalb Hybrid DE20.....	90.3	90.3	.02	15.3	81	110.4	95.8	99.4
12	*Illinois Hybrid 587.....	87.9	87.9	.04	15.9	85	115.8	93.2	88.9
13	*DeKalb Hybrid 805W.....	96.3	96.2	.06	18.7	64	87.2	102.0	98.3
14	*DeKalb Hybrid 813W.....	98.1	98.0	.07	17.9	58	79.0	103.9	97.7
15	*DeKalb Hybrid DE25.....	90.7	90.6	.08	15.3	72	98.1	96.1	96.6
16	*Bear Hybrid 18.....	85.9	85.8	.08	14.2	76	103.6	91.0	94.1
	Average of division.....	94.8	94.7	.07	16.6	71.6	97.5	100.4	99.7
	Average of all Jacksonville entries..	94.4	94.3	.08	16.0	73.4	....	....	....

SULLIVAN: Regular division, entries in commercial production

1	Funk Hybrid 244T.....	122.5	122.2	.24	17.4	83.3	107.4	112.2	111.0
2	DeKalb Hybrid 870.....	120.6	120.3	.25	17.8	83.9	108.1	110.5	109.9
2	Funk Hybrid G49.....	118.6	118.3	.27	17.6	83.3	113.8	108.6	109.9
4	Funk Hybrid 244.....	119.4	118.9	.41	17.8	84.4	108.8	109.2	109.1
5	DeKalb Hybrid 871.....	119.0	118.6	.34	17.2	82.5	106.3	108.9	108.3
6	Illinois Hybrid 863.....	118.2	117.6	.51	20.0	82.0	105.7	108.0	107.4
7	Illinois Hybrid 940.....	115.9	115.8	.11	19.6	85.6	110.3	106.3	107.3
8	Ill. Hybrid 360A (Pfister-Stiegelmeier).....	118.6	116.4	.19	17.4	83.9	108.1	106.9	107.2
9	Funk Hybrid G56.....	119.2	119.0	.15	19.6	76.1	98.1	109.3	106.5
10	Illinois Hybrid 960 (Holmes).....	119.2	118.9	.28	17.6	75.6	97.4	109.2	106.3
10	Funk Hybrid G62.....	116.2	115.7	.39	19.8	82.8	106.7	106.2	106.3
12	Ill. Hybrid 368 (Pfister-Stiegelmeier).....	114.9	114.5	.33	16.0	85.0	109.5	105.1	106.2
13	Ill. Hybrid 360 (Pfister-Stiegelmeier).....	113.8	113.2	.55	18.1	83.3	107.4	103.9	104.8
14	DeKalb Hybrid 875.....	115.9	115.7	.20	14.2	77.2	99.5	106.2	104.5
15	Funk Hybrid G46.....	112.7	112.4	.27	19.6	83.0	107.0	103.2	104.2
16	*U. S. Hybrid 45 (Moews).....	113.0	112.6	.39	17.8	82.5	106.3	103.4	104.1
17	Funk Hybrid 235.....	114.6	114.6	.03	18.5	77.2	99.5	105.2	103.8
18	Funk Hybrid 212.....	110.6	110.1	.49	17.9	84.4	108.8	101.1	103.0
19	Pfister-Stiegelmeier Hybrid 367.....	107.8	107.1	.62	16.7	90.6	116.8	98.3	102.9
20	*Illinois Hybrid 582.....	112.1	111.8	.30	19.0	80.0	103.1	102.7	102.8
21	*Bear Hybrid 20.....	116.7	116.7	0	17.4	69.0	88.9	107.2	102.6
21	DeKalb Hybrid 835.....	110.3	110.0	.23	18.5	83.3	107.4	101.0	102.6
23	Funk Hybrid B50.....	113.5	113.0	.40	19.2	75.6	97.4	103.8	102.2
24	*Bear Hybrid 17.....	115.0	114.4	.54	16.4	72.0	92.8	105.1	102.0
25	*U. S. Hybrid 61 (Moews).....	109.2	109.1	.07	16.0	83.0	107.0	100.2	101.9

*Average of 5 plots instead of 10.

(Sullivan entries are concluded on next page.)

Table 7.—SOUTH-CENTRAL ILLINOIS: Concluded

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Sullivan: Regular division, concluded)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
25	Illinois Hybrid 360A (Crow).....	109.1	108.7	.34	17.6	83.9	108.1	99.8	101.9
25	Pfister-Stiegelmeier Hybrid 380.....	108.8	108.3	.47	17.5	85.0	109.5	99.4	101.9
28	Pfister Hybrid 363.....	107.9	107.5	.36	17.2	86.1	111.0	98.7	101.8
29	Pfister-Stiegelmeier Hybrid 260A.....	109.3	108.8	.48	16.4	82.8	106.7	99.9	101.6
29	DeKalb Hybrid 801.....	106.6	106.2	.38	18.5	88.3	113.8	97.5	101.6
31	*Illinois Hybrid 66.....	114.8	114.5	.24	19.1	70.0	90.2	105.1	101.4
31	DeKalb Hybrid 834.....	108.5	108.0	.46	18.1	83.9	108.1	99.2	101.4
33	*Iowea Hybrid C.....	110.0	110.0	.03	17.2	79.0	101.8	101.0	101.2
34	*Illinois Hybrid 877.....	113.5	113.1	.33	19.6	72.0	92.8	103.9	101.1
35	Funk Hybrid G87.....	112.6	112.3	.25	20.8	70.6	91.0	103.1	100.8
36	DeKalb Hybrid 825.....	103.6	103.2	.39	20.2	91.7	118.2	94.8	100.7
37	*Illinois Hybrid 46.....	108.7	108.3	.38	15.8	78.0	100.5	99.4	99.7
38	Pfister-Stiegelmeier Hybrid 369.....	103.5	103.3	.19	15.6	86.7	111.7	94.9	99.1
39	Pfister-Stiegelmeier Hybrid 361.....	104.7	104.3	.42	16.7	83.5	107.6	95.8	98.8
40	*Iowea Hybrid CA.....	103.6	103.6	.03	16.0	85.0	109.5	95.1	98.7
41	DeKalb Hybrid 889.....	100.9	100.8	.12	18.5	90.0	116.0	92.6	98.5
42	*Iowea Hybrid 25B.....	107.3	107.3	.02	18.1	75.0	96.7	98.5	98.1
42	*National Hybrid 125.....	107.2	106.8	.40	17.6	76.0	97.9	98.1	98.1
44	*Iowea Hybrid CC.....	105.5	105.2	.26	16.7	79.0	101.8	96.6	97.9
44	*Funk Hybrid G40.....	103.9	103.8	.10	18.7	82.0	105.7	95.3	97.9
46	*Iowea Hybrid 20A.....	102.9	102.7	.21	16.4	83.0	107.0	94.3	97.4
47	Moews Hybrid 25.....	101.0	100.5	.45	22.0	83.3	107.4	92.3	96.8
48	Funk Hybrid 207 (Columbiana).....	106.9	106.6	.24	18.4	72.2	93.0	97.9	96.7
49	Funk Hybrid 220L (Smith).....	104.3	103.9	.42	16.7	75.0	96.7	95.4	95.7
50	*Bear Hybrid 19.....	105.0	104.6	.42	15.6	73.0	94.1	96.1	95.6
50	*Illinois-Iowea Hybrid 25.....	104.2	103.7	.44	17.6	75.0	96.7	95.2	95.6
50	*Illinois Hybrid 368 (Pfister-Lazier).....	99.7	99.4	.26	16.4	84.0	108.3	91.3	95.6
53	*Illinois Hybrid 710.....	104.8	104.3	.45	17.2	73.0	94.1	95.8	95.4
54	*Bear Hybrid 18.....	101.8	101.1	.72	15.4	79.0	101.8	92.8	95.1
55	National Hybrid 122.....	102.0	100.9	1.07	15.3	75.5	97.3	92.7	93.9
56	Bunning White Dent.....	111.8	111.7	.10	18.2	51.7	66.6	102.6	93.6
57	Funk Hybrid G52.....	98.9	98.2	.73	17.4	79.5	102.5	90.2	93.3
58	*Bear Hybrid 16.....	103.7	103.1	.54	16.3	67.0	86.3	94.7	92.6
59	Illinois Hybrid 947.....	99.8	99.3	.55	18.9	74.4	95.9	91.2	92.4
60	Rice White Dent.....	110.6	110.6	0	20.2	46.7	60.2	101.6	91.3
61	Funk Hybrid G54.....	103.1	102.6	.45	18.2	61.7	79.5	94.2	90.5
62	National Hybrid 124.....	98.0	97.6	.45	19.8	69.3	89.3	89.6	89.5
63	Station Yellow Dent.....	105.9	105.3	.58	20.2	48.3	62.2	97.2	88.5
64	*Illinois Hybrid 538.....	96.1	96.1	.02	18.6	66.0	85.1	88.2	87.4
	● Average of 5 best open-pollinated var.....	104.3	104.3	.15	19.8	46.9	60.4	95.8	87.0
65	Waddell Utility Yellow Dent.....	102.9	102.8	.05	19.1	43.9	56.6	94.4	85.0
66	Shuman Golden Beauty.....	90.2	90.2	0	21.4	43.9	56.6	82.8	76.3
	Average of division.....	108.9	108.6	.32	17.8	77.0	99.4	99.7	99.7
SULLIVAN: Experimental division, entries not in commercial production									
1	Pfister-Stiegelmeier Hybrid 280.....	117.3	116.9	.36	17.2	88.3	113.8	107.3	108.9
2	*DeKalb Hybrid 813W.....	124.1	124.0	.06	22.0	72.0	92.8	113.9	108.6
3	*DeKalb Hybrid 804W.....	120.2	119.8	.36	19.1	74.0	95.4	110.0	106.4
4	*Pfister-Stiegelmeier Hybrid 266.....	111.4	111.3	.10	17.0	85.0	109.5	102.2	104.0
5	*Pfister-Stiegelmeier Hybrid 260.....	108.4	108.1	.29	17.8	91.0	117.3	99.3	103.8
6	*DeKalb Hybrid 805W.....	113.7	113.6	.07	19.4	77.0	99.2	104.3	103.0
7	*DeKalb Hybrid 803W.....	114.8	114.3	.40	22.0	74.0	95.4	105.0	102.6
8	*DeKalb Hybrid DE25.....	106.6	106.3	.32	17.2	85.0	109.5	97.6	100.6
9	*Moews Hybrid 12.....	102.9	102.3	.55	17.2	90.0	116.0	93.9	99.4
10	*Illinois Hybrid 110.....	105.9	105.7	.21	19.4	69.0	88.9	97.1	95.1
11	*DeKalb Hybrid DE20.....	97.5	97.5	0	17.6	79.0	101.8	89.5	92.6
	Average of division.....	111.2	110.9	.25	18.7	80.4	103.6	101.8	102.3
	Average of all Sullivan entries.....	109.2	108.9	.31	18.0	77.5	....	....	....

*Average of 5 plots instead of 9.

Table 8.—SOUTHERN ILLINOIS: Alhambra and Edgewood

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
AVERAGE: Regular division, entries in commercial production ¹									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	DeKalb Hybrid 825.....	36.1	36.0	.26	15.4	50.0	155.3	111.1	122.2
2	DeKalb Hybrid 889.....	37.1	36.9	.59	15.8	46.5	144.4	113.9	121.5
3	Funk Hybrid G91.....	41.5	41.3	.62	15.8	27.5	85.4	127.5	117.0
4	Funk Hybrid G90.....	37.8	37.6	.38	16.2	32.0	99.4	116.0	111.9
5	Funk Hybrid G49.....	36.4	36.1	.66	16.3	34.3	106.5	111.4	110.2
6	Funk Hybrid G92.....	36.6	36.4	.53	14.6	31.0	96.3	112.3	108.3
6	Funk Hybrid G56.....	33.1	33.0	.25	14.8	41.0	127.3	101.9	108.3
8	St. Charles White.....	38.0	37.9	.25	20.2	25.8	80.1	117.0	107.8
9	Ill. Hybrid 360A (Pfister-Stiegelmeier)...	31.6	31.6	.39	14.9	44.5	138.2	97.5	107.7
10	Funk Hybrid B50.....	37.2	36.8	1.16	14.3	28.5	88.5	113.6	107.3
11	DeKalb Hybrid 870.....	34.2	34.2	.19	14.3	35.5	110.2	105.6	106.8
12	Pfister Hybrid 363.....	34.5	34.3	.37	14.6	34.5	107.1	105.9	106.2
13	Funk Hybrid G95.....	32.8	32.8	.16	14.2	38.0	118.0	101.2	105.4
14	Funk Hybrid G87.....	34.8	34.6	.68	15.7	31.5	97.8	106.8	104.6
15	Funk Hybrid G45.....	33.8	33.7	.63	14.8	33.5	104.0	104.0	104.0
16	Funk Hybrid 244.....	33.4	33.2	.34	15.2	33.3	103.4	102.5	102.7
17	DeKalb Hybrid 871.....	31.1	30.9	.49	14.9	39.8	123.6	95.4	102.5
18	Illinois Hybrid 940.....	35.3	35.2	.48	16.9	26.5	82.3	108.6	102.0
19	Champion White Pearl.....	35.2	35.1	.19	21.3	26.5	82.3	108.3	101.8
20	DeKalb Hybrid 875.....	29.6	29.5	.33	14.1	42.6	132.3	91.0	101.3
21	Illinois Hybrid 863.....	32.9	32.8	.27	15.7	31.0	96.3	101.2	100.0
22	DeKalb Hybrid 835.....	30.7	30.6	.30	16.9	36.5	113.4	94.4	99.2
23	Funk Hybrid G62.....	32.2	32.1	.47	16.5	28.8	89.4	99.1	96.7
24	Illinois Hybrid 360A (Crow).....	29.7	29.5	1.15	15.6	36.5	113.4	91.0	96.6
●	Average of 5 best open-pollinated var.....	34.1	34.0	.18	15.9	22.7	70.5	104.9	96.3
25	DeKalb Hybrid 834.....	30.0	29.6	.64	14.2	34.3	106.5	91.4	95.2
26	Illinois Hybrid 960.....	31.2	31.1	.28	14.6	28.5	88.5	96.0	94.1
27	Waddell Utility White Dent.....	31.1	30.9	.54	17.3	27.8	86.3	95.4	93.1
28	Funk Hybrid 235.....	28.9	28.8	.68	15.3	33.0	102.5	88.9	92.3
29	Pfister-Stiegelmeier Hybrid 380.....	28.1	28.0	.49	16.3	35.3	109.6	86.4	92.2
30	Ill. Hybrid 360 (Pfister-Stiegelmeier)...	28.0	27.8	.67	15.7	35.5	110.2	85.8	91.9
31	Illinois Hybrid 947.....	29.0	28.8	.33	15.7	30.5	94.7	88.9	90.4
32	Funk Hybrid G52.....	28.1	28.1	.36	17.7	30.0	93.2	86.7	88.3
33	Wilson Yellow Dent.....	29.8	29.8	.09	17.3	22.0	68.3	92.0	86.1
33	Pfister-Stiegelmeier Hybrid 367.....	27.2	26.8	1.23	16.4	31.0	96.3	82.7	86.1
35	Station Yellow Dent.....	28.8	28.7	.22	16.2	25.3	78.3	88.6	86.0
36	Illinois Hybrid 66.....	29.1	29.0	.09	14.8	23.5	73.0	89.5	85.4
37	Pfister-Stiegelmeier Hybrid 369.....	24.8	24.6	1.00	17.1	32.0	99.4	75.9	81.8
38	Illinois Hybrid 46.....	25.2	25.1	.23	14.8	29.5	91.6	77.5	81.0
39	Pfister-Stiegelmeier Hybrid 260A.....	24.0	24.0	.27	14.3	31.0	96.3	74.1	79.7
40	Helms Yellow Dent.....	26.0	25.9	.40	18.4	22.0	68.3	79.9	77.0
41	Funk Hybrid G54.....	26.3	25.9	1.37	15.8	19.1	59.3	79.9	74.8
42	Beckerle Yellow Dent.....	25.5	25.4	.20	16.0	20.0	62.1	78.4	74.3
43	Blackhawk.....	26.1	26.1	.12	17.5	14.0	43.5	80.6	71.3
	Average of division.....	31.4	31.3	.47	15.9	31.6	98.2	96.6	96.9
AVERAGE: Experimental division, entries not in commercial production ¹									
1	DeKalb Hybrid 808W.....	41.6	41.5	.67	17.4	30.0	93.2	128.1	119.4
2	Illinois Hybrid 450.....	40.0	39.8	.50	18.0	35.0	108.7	122.8	119.3
3	Funk Hybrid G86.....	38.5	38.4	.42	16.2	37.8	117.4	118.5	118.2
4	Illinois Hybrid 156.....	33.3	33.2	.36	16.2	52.0	161.5	102.5	117.3
5	Illinois Hybrid 499.....	36.8	36.7	.41	15.7	40.5	125.8	113.3	116.4
6	Illinois Hybrid 1010.....	36.8	36.5	.64	15.0	38.0	118.0	112.7	114.0
7	Illinois Hybrid 432.....	38.2	38.1	.52	16.5	28.0	87.0	117.6	110.0
8	Illinois Hybrid 447.....	37.1	37.0	.42	18.3	30.5	94.7	114.2	109.3
9	DeKalb Hybrid 807W.....	36.0	35.9	.16	17.4	33.5	104.0	110.8	109.1
9	Illinois Hybrid 28.....	32.9	32.8	.14	15.0	42.8	132.9	101.2	109.1
11	DeKalb Hybrid 812W.....	36.4	36.2	.61	18.9	29.0	90.1	111.7	106.3
12	Illinois Hybrid 444.....	33.3	33.2	.35	15.9	37.5	116.5	102.5	106.0
13	Illinois Hybrid 435.....	34.1	33.9	.54	16.3	32.5	100.9	104.6	103.7
14	Sager Hybrid 33.....	34.3	34.2	.35	16.3	30.3	94.1	105.6	102.7
15	DeKalb Hybrid 811W.....	32.9	32.6	.75	17.4	30.0	93.2	100.6	98.8
16	DeKalb Hybrid 815W.....	32.9	32.7	.40	17.0	28.3	87.9	100.9	97.7
17	DeKalb Hybrid 805W.....	33.0	32.9	.22	18.6	24.3	75.5	101.5	95.0
18	Illinois Hybrid 43.....	29.4	29.1	.92	14.4	31.5	97.8	89.8	91.8
19	Pfister-Stiegelmeier Hybrid 280.....	28.1	28.1	.27	13.9	25.0	77.6	86.7	84.4
	Average of division.....	35.0	34.9	.46	16.5	33.5	104.0	107.6	106.8
	Average of all entries.....	32.6	32.4	.47	16.1	32.2	....	....	....

¹Only those entries are included that were tested on both fields.

Table 8.—SOUTHERN ILLINOIS: Continued

Rank	Entry	Acre-yield		Chinch bug damage ¹	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
ALHAMBRA: Regular division, entries in commercial production									
		<i>bu.</i>	<i>bu.</i>		<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
1	DeKalb Hybrid 889.....	62.6	62.2	M	15.6	49.0	169.4	119.7	132.1
2	DeKalb Hybrid 825.....	57.7	57.5	M	14.6	48.0	165.9	110.7	124.5
3	Ill. Hybrid 360A (Pfister-Stiegelmeier) ..	53.1	53.1	M	14.8	48.0	165.9	102.2	118.1
4	DeKalb Hybrid 875.....	49.8	49.7	M	13.5	48.0	165.9	95.7	113.2
5	Funk Hybrid G87.....	57.9	57.4	M	16.4	34.5	119.3	110.5	112.7
6	Funk Hybrid G91.....	65.8	65.7	M	17.8	20.5	70.9	126.5	112.6
7	Illinois Hybrid 784.....	61.3	60.8	M	22.0	27.0	93.3	117.0	111.1
8	Funk Hybrid G92.....	59.3	58.8	M	14.8	29.0	100.2	113.2	110.0
9	Funk Hybrid B50.....	61.2	60.5	M	14.9	25.0	86.4	116.5	109.0
10	Funk Hybrid G49.....	56.7	56.2	M	15.6	32.0	110.6	108.2	108.8
11	St. Charles White.....	58.6	58.3	L	21.2	28.0	96.8	112.2	108.4
12	Funk Hybrid G56.....	50.4	50.2	M	14.7	41.0	141.7	96.6	107.9
13	Funk Hybrid G45.....	57.4	57.3	M	14.4	29.0	100.2	110.3	107.8
14	DeKalb Hybrid 871.....	50.2	50.0	M	15.4	40.0	138.3	96.3	106.8
15	Funk Hybrid G95.....	54.4	54.4	M	13.5	32.0	110.6	104.7	106.2
16	Illinois Hybrid 360A (Crow).....	49.7	49.5	M	16.4	40.0	138.3	95.3	106.0
17	DeKalb Hybrid 870.....	54.6	54.6	M	14.9	31.0	107.2	105.1	105.6
18	*Illinois Hybrid 940.....	59.7	59.6	M	18.3	22.0	76.1	114.7	105.1
19	Funk Hybrid G90.....	59.2	58.8	M	17.2	23.0	79.5	113.2	104.8
20	Funk Hybrid G62.....	53.4	53.2	M	19.6	32.0	110.6	102.4	104.5
21	*Illinois Hybrid 66.....	51.4	51.3	M	14.4	34.0	117.5	98.8	103.5
22	Champion White Pearl.....	57.3	57.1	L	22.8	24.0	83.0	109.9	103.2
22	Funk Hybrid 244.....	53.7	53.5	M	14.7	30.0	103.7	103.0	103.2
24	Pfister Hybrid 363.....	54.1	53.9	M	13.8	29.0	100.2	103.8	102.9
25	DeKalb Hybrid 834.....	50.6	50.0	M	14.2	35.0	121.0	96.3	102.4
26	Funk Hybrid G52.....	46.8	46.8	M	20.0	37.0	127.9	90.1	99.5
27	*Moore Yellow Dent.....	59.4	59.2	M	19.8	16.0	55.3	114.0	99.3
● Average of 5 best open-pollinated var.....		55.2	55.0	..	19.5	23.0	79.5	105.9	99.3
28	Illinois Hybrid 863.....	52.7	52.5	M	14.9	26.0	89.9	101.1	98.3
28	DeKalb Hybrid 835.....	48.5	48.3	M	17.9	33.0	114.1	93.0	98.3
30	Wilson Yellow Dent.....	51.9	51.9	M	16.7	25.0	86.4	99.9	96.5
31	Illinois Hybrid 960.....	50.4	50.1	H	15.2	27.0	93.3	96.4	95.7
32	Funk Hybrid 235.....	45.8	45.7	M	16.1	32.0	110.6	88.0	93.6
33	Ill. Hybrid 360 (Pfister-Stiegelmeier) ..	43.8	43.4	M	17.9	35.0	121.0	83.5	92.9
34	Pfister-Stiegelmeier Hybrid 367.....	41.6	40.8	M	18.1	39.0	134.8	78.5	92.6
35	Pfister-Stiegelmeier Hybrid 380.....	45.4	45.2	M	17.8	31.5	108.9	87.0	92.5
36	Illinois Hybrid 947.....	46.4	46.1	M	16.4	28.0	96.8	88.7	90.8
37	Station Yellow Dent.....	48.7	48.5	M	16.8	22.0	76.1	93.4	89.0
38	Waddell Utility White Dent.....	45.7	45.2	L	19.2	26.0	89.9	87.0	87.7
39	*Beckerle Yellow Dent.....	43.3	43.1	M	16.3	28.0	96.8	83.0	86.4
40	Pfister-Stiegelmeier Hybrid 369.....	40.2	40.0	H	15.6	33.0	114.1	77.0	86.3
41	Eversole White Dent.....	51.1	50.7	M	17.6	14.0	48.4	97.6	85.3
42	Helms Yellow Dent.....	41.3	41.0	M	19.4	25.0	86.4	78.9	80.8
43	*Illinois Hybrid 46.....	41.3	41.2	M	14.2	20.0	69.1	79.3	76.8
44	Pfister-Stiegelmeier Hybrid 260A.....	36.6	36.5	M	14.6	27.0	93.3	70.3	76.0
45	Blackhawk.....	38.7	38.6	L	15.6	17.5	60.5	74.3	70.9
46	Funk Hybrid G54.....	40.6	39.9	M	17.8	8.7	30.1	76.8	65.1
Average of division.....		51.3	51.1	..	16.5	30.0	98.3	98.3	98.3
ALHAMBRA: Experimental division, entries not in commercial production									
1	*DeKalb Hybrid 808W.....	71.1	71.0	L	15.6	28	96.8	136.7	126.7
2	Funk Hybrid G86.....	63.2	63.0	M	17.4	35	121.0	121.3	121.2
3	Illinois Hybrid 499.....	61.8	61.6	M	15.6	37	127.9	118.6	120.9
4	Illinois Hybrid 28.....	54.1	54.0	M	15.8	44	152.1	104.0	116.0
5	Illinois Hybrid 432.....	63.7	63.5	M	22.0	28	96.8	122.2	115.9
6	Illinois Hybrid 156.....	52.9	52.6	M	15.6	43	148.6	101.3	113.1
7	*Illinois Hybrid 450.....	65.1	64.6	L	19.1	22	76.1	124.4	112.3
8	*DeKalb Hybrid 812W.....	63.0	62.8	L	21.0	24	83.0	120.9	111.4
9	*Illinois Hybrid 1010.....	58.2	57.9	M	15.8	30	103.7	111.5	109.5
10	Illinois Hybrid 444.....	55.3	55.1	M	16.0	33	114.1	106.1	108.1
11	*DeKalb Hybrid 811W.....	54.7	54.3	M	18.1	34	117.5	104.5	107.8
12	*Illinois Hybrid 447.....	62.3	62.0	L	19.1	20	60.1	119.4	106.8
13	DeKalb Hybrid 807W.....	54.6	54.4	M	16.0	23	79.5	104.7	98.4
14	*Illinois Hybrid 48.....	48.4	48.0	H	15.0	32	110.6	92.4	97.0
15	Illinois Hybrid 435.....	51.1	50.8	M	16.1	26	89.9	97.8	95.8
16	*DeKalb Hybrid 815W.....	53.5	53.2	L	19.1	18	62.2	102.4	92.4

*Average of 5 plots instead of 10. ¹*Blissus leucopterus* Say.: L = light damage; M = medium damage; H = heavy damage.

(Alhambra entries are concluded on next page.)

Table 8.—SOUTHERN ILLINOIS: Continued

Rank	Entry	Acre-yield		Chinch bug damage ¹	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Alhambra: Experimental division, concluded)									
		bu.	bu.		perct.	perct.	perct.	perct.	
17	Sager Hybrid 33.....	47.6	47.5	M	17.2	26	89.9	91.4	91.0
18	DeKalb Hybrid 805W.....	52.8	52.6	M	20.4	15	51.9	101.3	88.9
19	*Kentucky Hybrid 69.....	44.7	44.4	M	20.4	26	89.9	85.5	86.6
20	Pfister-Stiegelmeier Hybrid 280.....	45.4	45.3	M	13.5	19	65.7	87.2	81.8
21	*Kentucky Hybrid 72.....	41.4	41.2	M	20.1	14	48.4	79.3	71.6
22	*Kentucky Hybrid 173.....	24.5	24.2	M	19.8	8	28.7	46.6	42.1
	Average of division.....	54.1	53.8	..	17.6	26.6	92.0	103.6	100.7
	Average of all Alhambra entries ...	52.2	52.0	..	16.9	28.9	....	....	....
EDGEWOOD: Regular division, entries in commercial production									
1	Funk Hybrid G90.....	16.3	16.3	L	15.2	41.0	119.4	132.3	129.1
2	Funk Hybrid G91.....	17.1	16.9	L	13.8	34.5	100.4	137.2	128.0
3	DeKalb Hybrid 825.....	14.5	14.5	M	16.1	52.0	151.4	117.7	126.1
4	Funk Hybrid G56.....	15.8	15.7	L	14.9	41.0	119.4	127.5	125.5
5	Funk Hybrid G49.....	16.0	15.9	M	16.9	36.5	106.3	129.1	123.4
6	St. Charles White.....	17.4	17.4	L	19.1	23.5	68.4	141.3	123.3
7	Waddell Utility White Dent.....	16.5	16.5	L	15.3	29.5	85.9	134.0	122.0
8	Pfister Hybrid 363.....	14.8	14.7	H	15.4	40.0	116.5	119.4	118.7
9	DeKalb Hybrid 870.....	13.8	13.8	M	13.6	40.0	116.5	112.0	113.1
10	Funk Hybrid G92.....	13.9	13.9	M	14.3	33.0	96.1	112.9	108.7
11	DeKalb Hybrid 835.....	12.8	12.8	M	15.8	40.0	116.5	103.9	107.1
12	Illinois Hybrid 863.....	13.1	13.0	L	16.5	36.0	104.8	105.6	105.4
13	Funk Hybrid 244.....	13.0	12.9	M	15.6	36.5	106.3	104.7	105.1
14	Funk Hybrid B50.....	13.2	13.0	M	13.6	32.0	93.2	105.6	102.5
15	DeKalb Hybrid 889.....	11.6	11.5	L	15.9	44.0	128.1	93.4	102.1
16	Champion White Pearl.....	13.1	13.1	L	19.8	29.0	84.4	106.4	100.9
17	DeKalb Hybrid 871.....	11.9	11.8	M	14.3	39.5	115.0	95.8	100.6
18	*Funk Hybrid G95.....	11.2	11.2	M	14.8	44.0	128.1	90.9	100.2
19	*Ill. Hybrid 360 (Pfister-Stiegelmeier).....	12.1	12.1	H	13.5	36.0	104.8	98.2	99.9
20	Funk Hybrid 235.....	12.0	11.9	M	14.4	34.0	99.0	96.6	97.2
	● Average of 5 best open-pollinated var.....	13.0	13.0	..	18.2	22.3	64.9	105.6	95.4
21	Illinois Hybrid 960.....	12.0	12.0	H	14.0	30.0	87.3	97.4	94.9
22	Pfister-Stiegelmeier Hybrid 260A.....	11.4	11.4	H	14.0	35.0	101.9	92.6	94.9
23	*Pfister-Stiegelmeier Hybrid 367.....	12.8	12.7	H	14.6	23.0	67.0	103.1	94.1
24	Illinois Hybrid 947.....	11.5	11.5	M	14.9	33.0	96.1	93.4	94.1
25	Funk Hybrid G54.....	12.0	11.9	M	13.7	29.5	85.9	96.6	93.9
26	*Pfister-Stiegelmeier Hybrid 380.....	10.8	10.7	M	14.7	39.0	113.5	86.9	93.6
27	Funk Hybrid G87.....	11.7	11.7	M	14.9	28.5	83.0	95.0	92.0
28	*Ill. Hybrid 360A (Pfister-Stiegelmeier).....	10.1	10.0	M	14.9	41.0	119.4	81.2	90.8
29	Blackhawk.....	13.5	13.5	L	19.3	10.5	30.6	109.6	89.9
30	*Funk Hybrid G45.....	10.2	10.1	H	15.1	38.0	110.6	82.0	89.2
31	*Illinois Hybrid 940.....	10.9	10.8	M	15.4	31.0	90.3	87.7	88.4
32	Funk Hybrid G62.....	11.0	10.9	M	13.4	25.5	74.2	88.5	84.9
33	DeKalb Hybrid 875.....	9.3	9.3	M	14.7	37.2	108.3	75.5	83.7
34	*Illinois Hybrid 46.....	9.0	9.0	M	15.4	39.0	113.5	73.1	83.2
35	Illinois Hybrid 360A (Crow).....	9.6	9.4	M	14.7	33.0	96.1	76.3	81.3
36	DeKalb Hybrid 834.....	9.3	9.2	M	14.2	33.5	97.5	74.7	80.4
37	Helms Yellow Dent.....	10.7	10.7	M	17.4	19.0	55.3	86.9	79.0
38	*Pfister-Stiegelmeier Hybrid 369.....	9.3	9.2	H	18.5	31.0	90.3	74.7	78.6
39	Station Yellow Dent.....	8.9	8.9	M	15.6	28.5	83.0	72.3	75.0
40	Funk Hybrid G52.....	9.4	9.3	H	15.4	23.0	67.0	75.5	73.4
41	Wilson Yellow Dent.....	7.7	7.7	M	17.9	19.0	55.3	62.5	60.7
42	*Beckerle Yellow Dent.....	7.7	7.7	M	15.6	12.0	34.9	62.5	55.6
43	*Illinois Hybrid 66.....	6.7	6.7	M	15.1	13.0	37.9	54.4	50.3
	Average of division.....	12.0	11.9	..	15.4	32.4	94.4	96.9	96.3
EDGEWOOD: Experimental division, entries not in commercial production									
1	Sager Hybrid 33.....	21.0	20.9	L	15.4	34.5	100.4	169.7	152.4
2	*DeKalb Hybrid 807W.....	17.4	17.4	L	18.7	44.0	128.1	141.3	138.0
3	*Illinois Hybrid 435.....	17.0	16.9	L	16.5	39.0	113.5	137.2	131.3
4	*Illinois Hybrid 156.....	13.7	13.7	L	16.8	61.0	177.6	111.2	127.8
5	Illinois Hybrid 1010.....	15.3	15.2	L	14.2	46.0	133.9	123.4	126.0
6	*Illinois Hybrid 450.....	14.9	14.9	L	16.8	48.0	139.7	121.0	125.7

*Average of 5 plots instead of 10. ¹*Blissus leucopterus* Say.: L = light damage, M = medium damage, H = heavy damage.

(Edgewood entries are concluded on next page.)

Table 8.—SOUTHERN ILLINOIS: Concluded

Rank	Entry	Acre-yield		Chinch bug damage ¹	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
(Edgewood: Experimental division, concluded)									
		bu.	bu.		perct.	perct.	perct.	perct.	
7	Funk Hybrid G86.....	13.7	13.7	L	14.9	40.5	117.9	111.2	112.9
8	DeKalb Hybrid 805W.....	13.1	13.1	L	16.7	33.5	97.5	106.4	104.2
9	*Illinois Hybrid 499.....	11.8	11.7	L	15.7	44.0	128.1	95.0	103.3
10	DeKalb Hybrid 815W.....	12.2	12.2	L	14.9	38.5	112.1	99.1	102.4
11	*Illinois Hybrid 447.....	11.9	11.9	L	17.4	41.0	119.4	96.6	102.3
12	Illinois Hybrid 28.....	11.6	11.6	M	14.2	41.5	120.8	94.2	100.9
13	Illinois Hybrid 444.....	11.2	11.2	M	15.8	42.0	122.3	90.9	98.8
14	*Illinois Hybrid 432.....	12.7	12.6	M	14.0	28.0	81.5	102.3	97.1
15	*DeKalb Hybrid 808W.....	12.1	12.0	L	19.1	32.0	93.2	97.4	96.4
16	Pfister-Stiegelmeier Hybrid 280.....	10.8	10.8	M	14.2	31.0	90.3	87.7	88.4
17	*DeKalb Hybrid 811W.....	11.0	10.9	M	16.7	26.0	75.7	88.5	85.3
18	*Illinois Hybrid 48.....	10.3	10.1	M	13.7	31.0	90.3	82.0	84.1
19	*DeKalb Hybrid 812W.....	9.7	9.6	L	16.7	34.0	99.0	77.9	83.2
	Average of division.....	13.2	13.2	..	15.9	38.7	127.0	70.0	84.5
	Average of all Edgewood entries...	12.4	12.3	..	15.6	34.4	....	....	....

*Average of 5 plots instead of 10. ¹*Blissus leucopterus* Say.: L = light damage, M = medium damage, H = heavy damage.

Table 9.—WHITE CORN VARIETIES: Brocton, Central Illinois

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
Regular division, entries in commercial production									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
1	Rice White Dent.....	78.7	78.1	(63.9)	17.2	72.5	97.0	103.3	101.7
2	Thomas White Dent.....	79.3	79.3	(77.1)	17.5	63.0	84.3	104.9	99.8
3	Eversole White Dent.....	78.6	77.6	(70.1)	16.4	67.5	90.3	102.7	99.6
●	Average of 5 best open-pollinated var.....	76.2	75.8	(70.8)	18.3	65.6	87.8	100.3	97.2
4	Bunning White Dent.....	74.5	74.1	(77.4)	20.1	56.5	75.6	98.0	92.4
5	St. Charles White (Isenberg).....	70.1	70.0	(79.5)	20.3	68.5	91.7	92.6	92.3
6	Waddell Utility White Dent.....	66.9	66.6	(79.7)	20.3	60.0	80.3	88.1	86.1
7	Champion White Pearl.....	59.1	58.7	(66.0)	20.0	64.0	85.6	77.7	79.7
	Average of division.....	72.5	72.1	(73.3)	18.8	64.6	86.4	95.3	93.1
Experimental division, entries <i>not</i> in commercial production									
1	DeKalb Hybrid 802W.....	89.1	88.7	(56.0)	19.3	78.0	104.4	117.4	114.2
2	Indiana Hybrid G909A.....	87.1	86.9	(62.7)	19.3	82.5	110.4	115.0	113.8
3	*Kansas Hybrid 1.....	87.1	86.6	(73.0)	19.3	73.0	97.7	114.6	110.4
4	Pride of Saline X Indiana 33.....	79.3	79.1	(18.1)	18.7	95.0	127.2	104.7	110.3
5	DeKalb Hybrid 815W.....	82.0	81.3	(44.4)	17.2	83.5	111.7	107.6	108.6
6	Indiana Hybrid G908.....	83.9	83.4	(49.7)	17.9	77.0	103.0	110.4	108.5
6	*Kansas Hybrid 11.....	82.6	82.4	(46.2)	19.0	80.0	107.0	109.0	108.5
8	Indiana Hybrid FG902A.....	84.7	83.5	(60.7)	21.3	75.0	100.4	110.5	108.0
9	DeKalb Hybrid 811W.....	79.7	79.4	(43.2)	19.9	85.0	113.7	105.1	107.2
10	DeKalb Hybrid 813W.....	81.0	80.8	(62.7)	19.3	80.5	107.7	106.9	107.1
11	DeKalb Hybrid 810W.....	82.0	81.7	(61.0)	20.3	77.5	103.7	108.1	107.0
12	DeKalb Hybrid 801W.....	82.8	80.7	(57.1)	19.8	80.0	107.0	106.8	106.8
13	Indiana Hybrid G901B.....	77.4	77.1	(41.7)	20.1	83.5	111.7	102.0	104.4
14	DeKalb Hybrid 807W.....	74.8	74.5	(45.0)	20.3	88.0	117.8	98.6	103.4
15	DeKalb Hybrid 804W.....	78.8	78.6	(53.0)	19.0	75.0	100.4	104.0	103.1
16	DeKalb Hybrid 808W.....	79.8	79.5	(62.4)	21.8	72.0	96.3	105.2	103.0
17	DeKalb Hybrid 803W.....	74.6	74.3	(40.3)	23.3	86.0	115.0	98.3	102.5
18	DeKalb Hybrid 805W.....	76.9	76.9	(63.7)	22.3	73.5	98.3	101.8	100.9
19	Indiana Hybrid G907B.....	74.9	74.6	(64.0)	22.7	78.5	105.0	98.7	100.3
20	*Kansas Hybrid 14.....	72.7	71.5	(62.9)	18.7	85.0	113.7	94.6	99.4
21	*Kansas Hybrid 15.....	78.4	78.1	(80.6)	20.3	65.0	87.0	103.3	99.3
22	*Kansas Hybrid 2.....	75.7	75.3	(80.0)	18.7	73.0	97.7	99.6	99.2
23	Indiana Hybrid G904.....	72.7	72.6	(47.4)	19.8	78.0	104.4	96.1	98.2
24	DeKalb Hybrid 812W.....	70.2	69.7	(43.6)	18.7	86.0	115.0	92.2	97.9
25	*Kansas Hybrid 13.....	70.8	70.5	(59.5)	19.1	83.0	111.1	93.3	97.7
26	*Kansas Hybrid 3.....	71.1	70.8	(35.1)	17.8	80.0	107.0	93.7	97.0
27	Iowa Hybrid 3215.....	65.6	65.1	(29.2)	13.0	91.5	122.4	86.1	95.2
28	*Kansas Hybrid 7.....	74.0	73.2	(71.0)	22.7	65.0	87.0	96.9	94.4
29	*Kansas Hybrid 6.....	68.0	67.6	(51.5)	18.0	80.0	107.0	89.4	93.8
30	*Kansas Hybrid 5.....	71.8	71.1	(80.5)	18.8	68.0	91.0	94.1	93.3
31	*Kansas Hybrid 10.....	75.6	75.3	(82.5)	19.0	55.0	73.6	99.6	93.1
32	*Kansas Hybrid 12.....	70.7	70.5	(37.0)	20.1	65.0	87.0	93.3	91.7
33	*Kansas Hybrid 8.....	77.7	76.9	(73.7)	20.3	43.0	57.5	101.8	90.7
34	*Kansas Hybrid 4.....	62.9	62.6	(25.0)	19.3	83.0	111.1	82.8	89.9
35	*Kansas Hybrid 9.....	69.0	69.0	(71.8)	17.8	63.0	84.3	91.3	89.5
	Average of division.....	76.7	76.3	(52.7)	19.5	76.8	102.7	100.9	101.4
	Average of all Brocton entries.....	76.0	75.6	(57.5)	19.4	74.7	....	....	....

*Average of 2 plots instead of 10. ¹Southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

Table 10.—SOUTHEASTERN ILLINOIS: Albion

Rank	Entry	Acre-yield		(Midseason lodging due to root-worm ¹)	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
Regular division, entries in commercial production									
		<i>bu.</i>	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>	
1	Illinois Hybrid 940.....	93.2	92.7	(21.0)	19.0	86.5	121.1	108.4	111.6
2	DeKalb Hybrid 870.....	94.1	93.7	(38.6)	18.5	72.0	100.8	109.5	109.8
3	Illinois Hybrid 960.....	95.7	94.8	(44.7)	17.9	71.5	100.1	110.8	108.1
4	Funk Hybrid G95.....	90.8	89.9	(23.0)	19.1	75.0	105.0	105.1	105.1
5	DeKalb Hybrid 871.....	91.0	89.9	(46.7)	16.0	74.0	103.6	105.1	104.7
6	Funk Hybrid G90.....	85.3	85.3	(16.4)	20.4	84.0	117.6	99.7	104.2
7	DeKalb Hybrid 834.....	87.8	87.1	(51.4)	17.2	76.0	106.4	101.8	103.0
8	DeKalb Hybrid 825.....	81.0	79.7	(27.8)	18.4	92.5	129.4	93.2	102.3
9	Funk Hybrid 244.....	88.8	88.2	(34.5)	17.9	69.5	97.3	103.1	101.7
10	Illinois Hybrid 360A (Crow).....	83.8	83.8	(45.5)	17.2	77.5	108.4	98.0	100.6
11	Funk Hybrid G91.....	83.5	83.1	(44.2)	20.4	78.0	109.1	97.2	100.2
12	Illinois Hybrid 863.....	89.8	89.6	(28.9)	19.6	60.0	84.0	104.8	99.6
13	Funk Hybrid G92.....	85.7	83.8	(47.7)	19.1	73.6	103.0	98.0	99.3
14	DeKalb Hybrid 875.....	84.1	83.8	(52.8)	19.2	73.0	102.2	98.0	99.1
15	DeKalb Hybrid 835.....	80.1	79.3	(61.9)	17.2	81.0	113.4	92.7	97.9
16	DeKalb Hybrid 889.....	75.0	74.1	(30.2)	17.6	93.0	130.2	86.6	97.5
17	Funk Hybrid 235.....	82.2	81.6	(71.7)	17.2	73.5	102.9	95.4	97.3
18	Illinois Hybrid 947.....	85.0	84.3	(50.5)	18.8	66.5	93.1	98.6	97.2
19	Illinois Hybrid 66.....	84.4	83.6	(39.1)	19.1	64.5	90.3	97.7	95.9
20	St. Charles White (Isenberg).....	89.0	87.4	(80.5)	21.0	54.5	76.3	102.2	95.7
21	Illinois Hybrid 877.....	84.3	83.9	(64.2)	20.6	57.5	80.5	98.1	93.7
22	Illinois Hybrid 710.....	81.4	79.1	(50.3)	17.8	69.0	96.6	92.5	93.5
23	Helms Yellow Dent.....	84.2	83.6	(69.8)	19.6	57.0	79.8	97.7	93.2
24	Wilson Yellow Dent.....	81.3	80.8	(73.8)	17.9	58.0	81.2	94.5	91.2
●	Average of 5 best open-pollinated var.....	83.0	81.9	(77.4)	21.2	52.1	74.5	95.8	90.4
25	Illinois Hybrid 538.....	72.9	72.3	(36.3)	18.1	73.0	102.2	84.5	88.9
26	Leaming (Neville).....	87.1	84.9	(77.3)	24.1	39.5	55.3	99.3	88.3
27	Champion White Pearl.....	73.3	72.9	(85.5)	23.2	51.5	72.1	85.2	81.9
28	Beckerle Yellow Dent.....	67.2	66.6	(86.1)	17.2	60.5	84.7	77.9	79.6
	Average of division.....	84.4	83.6	(50.0)	18.8	70.1	98.1	97.7	97.9
Experimental division, entries not in commercial production									
1	Illinois Hybrid 678.....	93.3	93.1	(28.1)	19.4	82.5	115.5	108.8	110.5
2	Funk Hybrid G86.....	92.0	92.0	(25.0)	16.7	85.0	119.0	107.6	110.4
3	Illinois Hybrid 468.....	92.3	91.9	(37.4)	20.8	83.0	116.2	107.4	109.6
4	Illinois Hybrid 499.....	92.7	92.3	(27.7)	18.1	75.5	105.7	108.0	107.4
5	Illinois Hybrid 835A.....	93.4	92.3	(27.6)	19.1	74.5	104.3	108.0	107.1
6	Illinois Hybrid 851.....	90.0	89.3	(26.9)	18.6	80.5	112.7	104.4	106.5
7	Illinois Hybrid 448.....	92.7	91.2	(30.3)	21.6	73.0	102.2	106.6	105.5
8	Illinois Hybrid 677.....	92.8	92.4	(40.4)	18.1	69.5	97.3	108.0	105.3
9	Illinois Hybrid 111.....	90.3	89.9	(39.5)	19.4	75.0	105.0	105.1	105.1
10	Illinois Hybrid 467.....	85.9	85.7	(25.1)	18.6	84.0	117.6	100.2	104.6
11	Illinois Hybrid 469.....	90.2	87.9	(42.2)	19.8	78.0	109.2	102.8	104.4
12	Illinois Hybrid 498.....	90.0	88.4	(40.1)	17.8	76.5	107.1	103.4	104.3
13	Illinois Hybrid 156.....	86.2	85.7	(22.9)	18.8	81.5	114.1	100.2	103.7
14	Illinois Hybrid 1073.....	90.0	88.0	(56.5)	19.1	75.0	105.0	102.9	103.4
15	Illinois Hybrid 1001.....	83.5	82.6	(20.1)	17.6	85.0	118.9	96.6	102.2
16	Illinois Hybrid 450.....	90.8	90.7	(26.9)	22.0	64.5	90.3	106.0	102.1
17	Illinois Hybrid 432.....	89.4	88.6	(20.6)	20.4	69.0	96.6	103.6	101.9
18	Illinois Hybrid 435.....	89.7	89.4	(31.4)	20.6	64.5	90.3	104.5	101.0
19	Illinois Hybrid 444.....	91.5	89.6	(41.3)	19.1	63.5	88.9	104.8	100.8
20	Illinois Hybrid 447.....	87.3	86.6	(53.1)	19.4	70.5	98.6	101.2	100.6
21	Illinois Hybrid 983.....	86.3	85.8	(49.2)	19.8	69.0	96.6	103.3	99.4
22	Illinois Hybrid 115.....	86.7	85.8	(42.1)	22.4	68.0	95.2	100.3	99.0
23	Illinois Hybrid 680.....	85.2	84.4	(31.9)	20.6	69.0	96.6	98.7	98.2
23	Illinois Hybrid 1010.....	83.9	83.2	(59.6)	18.5	72.0	100.8	97.3	98.2
25	Illinois Hybrid 681.....	91.3	91.1	(71.8)	19.6	49.0	68.6	106.5	97.0
26	Illinois Hybrid 682.....	83.6	83.4	(52.1)	20.0	68.0	95.2	97.5	96.9
27	Illinois Hybrid 482.....	79.4	78.8	(33.9)	17.9	78.0	109.2	92.1	96.4
28	Illinois Hybrid 110.....	81.7	80.3	(38.8)	20.2	73.5	102.9	93.9	96.2
29	Illinois Hybrid 878.....	83.5	82.8	(64.3)	20.2	64.0	89.6	96.8	95.0
30	Illinois Hybrid 113.....	79.5	78.0	(55.5)	20.4	61.0	85.4	91.2	89.8
	Average of division.....	88.2	87.4	(38.7)	19.5	72.7	101.8	102.2	102.1
	Average of all Albion entries.....	86.3	85.5	(44.2)	19.2	71.4	....	....	....

¹Southern corn rootworm, *Diabrotica duodecimpunctata* Fab.

Table 11.—EXTREME SOUTHERN ILLINOIS: Golconda

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
Regular division, entries in commercial production									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 960.....	76.3	75.7	.81	13.8	56	83.1	116.6	108.2
2	Funk Hybrid G45.....	72.9	72.9	.03	14.0	60	89.0	112.3	106.5
3	Funk Hybrid G49.....	75.0	73.5	1.98	14.2	58	86.0	113.2	106.4
4	Funk Hybrid G46.....	65.1	64.1	1.48	14.2	85	126.1	98.7	105.6
5	Illinois Hybrid 863.....	69.8	69.5	.42	14.0	62	92.0	107.0	103.3
6	Funk Hybrid G56.....	71.6	70.4	1.64	14.6	58	86.1	108.4	102.8
7	Funk Hybrid 235.....	65.9	65.6	.41	14.0	69	102.4	101.0	101.4
8	Illinois Hybrid 877.....	64.9	64.6	.50	13.7	68	100.9	99.5	99.9
9	Leaming (Neville).....	60.8	60.4	.62	17.2	74	109.8	93.0	96.7
10	Funk Hybrid G62.....	69.3	68.5	1.15	14.2	44	65.3	105.5	95.5
11	Funk Hybrid G40.....	63.3	62.7	.98	14.8	62	92.0	96.6	95.4
12	Funk Hybrid G92.....	62.3	61.5	1.30	13.7	65	96.4	94.7	95.1
13	Funk Hybrid G52.....	61.2	60.9	.45	13.7	62	92.0	93.8	93.4
14	Funk Hybrid 244.....	61.8	61.5	.53	14.0	60	89.0	94.7	93.3
15	St. Charles White.....	55.5	55.2	.56	16.6	81	120.2	83.9	93.0
16	Funk Hybrid G54.....	55.6	54.7	1.61	14.8	49	72.7	84.2	81.3
	Average of division.....	65.7	65.3	.91	14.5	63.3	93.9	100.2	98.6
Experimental division, entries not in commercial production									
1	Illinois Hybrid 115.....	66.6	65.8	1.20	15.5	84	124.6	101.3	109.6
2	Illinois Hybrid 448.....	68.5	67.6	1.28	15.1	77	114.2	104.1	106.6
3	Illinois Hybrid 498.....	67.2	66.1	1.69	14.2	80	118.7	101.8	106.0
4	Illinois Hybrid 681.....	64.3	63.1	1.88	15.1	86	127.6	97.2	104.8
5	Illinois Hybrid 885A.....	65.3	65.1	.40	13.4	79	117.2	100.3	104.5
6	Illinois Hybrid 110.....	66.5	65.9	.88	15.8	75	111.3	101.5	104.0
7	Illinois Hybrid 450.....	71.2	70.6	.80	14.4	56	83.1	108.7	102.3
8	Illinois Hybrid 435.....	69.5	68.8	.94	14.6	59	87.5	106.0	101.4
9	Illinois Hybrid 677.....	68.8	68.2	.84	15.1	59	87.5	105.0	100.6
10	Illinois Hybrid 444.....	63.7	63.3	.63	13.7	72	106.8	97.5	99.8
11	Illinois Hybrid 851.....	67.0	66.8	.27	14.2	60	89.0	102.9	99.4
12	Illinois Hybrid 447.....	60.4	60.2	.40	14.4	80	118.7	92.7	99.2
13	Illinois Hybrid 499.....	61.4	60.8	.82	14.6	78	115.7	93.6	99.1
14	Illinois Hybrid 111.....	62.9	62.4	.85	14.4	72	106.8	96.1	98.8
15	Illinois Hybrid 1010.....	65.9	65.9	.02	14.0	53	78.6	101.5	95.8
16	Illinois Hybrid 468.....	57.0	56.1	1.70	14.6	74	109.8	86.4	92.3
	Average of division.....	65.4	64.7	.91	14.6	71.5	106.1	99.8	101.5
	Average of all Golconda entries....	65.5	64.9	.91	14.6	67.4	....	....	....

Table 12.—SOIL ADAPTATION TEST: Sibley, Central Illinois

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
DRUMMER CLAY LOAM: Productivity high (Farm 41)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 960 (Holmes)	114.6	114.4	.2	21.2	86	121.1	111.4	113.8
2	Funk Hybrid G53	110.6	110.6	0	22.6	89	125.4	107.7	112.1
3	Funk Hybrid G32	108.2	108.2	0	21.0	91	128.2	105.4	111.2
4	Funk Hybrid G38	108.7	108.4	.3	20.2	90	126.8	105.5	110.8
5	U. S. Hybrid 44 (Moews)	113.0	112.8	.2	22.0	69	97.2	109.8	106.7
6	Funk Hybrid G49	106.5	105.8	.7	22.1	79	111.3	103.0	105.1
7	Illinois Hybrid 582 (Moews)	101.6	101.4	.2	23.2	86	121.1	98.7	104.3
8	Illinois Hybrid 172 (Sibley Estate)	102.7	102.2	.5	19.0	83	116.9	99.5	103.9
9	Funk Hybrid 212	106.6	106.6	0	21.2	73	102.8	103.8	103.6
9	Illinois Hybrid 588 (Sibley Estate)	105.0	104.8	.2	22.9	77	108.5	102.0	103.6
11	Illinois Hybrid 546 (Morgan)	104.1	103.1	1.0	21.8	78	109.9	100.4	102.8
12	Funk Hybrid G84	98.7	98.6	.1	20.8	83	116.9	96.0	101.2
13	Illinois Hybrid 419	100.3	100.2	.1	20.0	79	111.3	97.6	101.0
14	Illinois Hybrid 753 (Sibley Estate)	106.3	105.3	1.0	22.9	67	94.4	102.5	100.5
15	Funk Hybrid G75	104.2	104.2	0	20.6	69	97.2	101.5	100.4
16	Illinois Hybrid 570 (Sibley Estate)	103.5	102.9	.6	20.4	71	100.0	100.2	100.2
17	Illinois Hybrid 420	101.9	101.2	.7	19.8	73	102.8	98.5	99.6
18	Illinois Hybrid 754	101.4	101.4	0	20.6	66	93.0	98.7	97.3
19	Illinois Hybrid 360A (Crow)	100.2	100.2	0	20.2	63	88.7	97.6	95.4
20	Illinois Hybrid 543 (Shisler)	101.2	101.2	0	20.4	60	84.5	98.5	95.0
21	Illinois Hybrid 710 (Funk)	99.6	97.6	2.0	21.6	60	84.5	95.0	92.4
22	Illinois Hybrid 945	96.2	95.8	.4	22.6	55	77.5	93.3	89.4
23	Illinois Hybrid 384 (Funk)	90.5	90.5	0	24.6	53	74.6	88.1	84.7
24	Sibley Estate Composite	96.6	96.6	0	21.6	39	54.9	94.1	84.3
25	Station Yellow Dent	94.7	92.9	1.9	21.8	39	54.9	92.0	82.7
Average of all entries		103.1	102.7	.4	21.4	71	....	....	....
Average of 17 hybrids and Station Yellow Dent		103.5	102.6	.5	21.7	72	....	....	....
ELLIOTT SILT LOAM: Productivity low (Farm 92)									
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 360A (Crow)	60.0	59.6	.7	19.8	93	103.3	119.2	115.2
2	Funk Hybrid 212	57.8	57.0	1.3	22.1	96	106.7	114.0	112.2
3	Illinois Hybrid 588 (Sibley Estate)	58.0	58.0	0	24.3	90	100.0	116.0	112.0
4	Funk Hybrid G75	56.2	56.0	.3	21.7	88	97.7	112.0	108.4
4	Funk Hybrid G38	54.1	53.9	.4	21.0	99	110.0	107.8	108.4
6	U. S. Hybrid 44 (Moews)	55.4	55.2	.4	23.2	89	98.9	110.4	107.5
7	Funk Hybrid G49	54.6	54.2	.7	25.6	90	100.0	108.4	106.3
8	Illinois Hybrid 546 (Morgan)	52.6	52.1	1.0	22.6	97	107.8	104.2	105.1
9	Funk Hybrid G53	50.5	50.3	.4	19.6	99	110.0	100.6	103.0
10	Illinois Hybrid 582 (Moews)	52.2	52.0	.3	21.2	86	95.6	104.0	101.9
11	Illinois Hybrid 420	50.3	50.1	.4	22.6	95	105.6	100.2	101.6
12	Illinois Hybrid 570 (Sibley Estate)	48.8	48.7	.2	19.9	95	105.6	97.4	99.5
13	Illinois Hybrid 960 (Holmes)	48.7	48.3	.8	19.5	94	104.4	96.6	98.6
13	Funk Hybrid G32	48.4	48.3	.2	20.3	94	104.4	96.6	98.6
15	Illinois Hybrid 710 (Funk)	48.3	48.0	.6	22.8	90	100.0	96.0	97.0
16	Illinois Hybrid 945	49.0	47.9	2.3	20.8	90	100.0	95.8	96.9
17	Station Yellow Dent	49.1	49.1	0	20.8	82	91.1	98.2	96.4
18	Illinois Hybrid 384 (Funk)	47.6	47.0	1.2	20.3	92	102.2	94.0	96.1
19	Illinois Hybrid 172 (Sibley Estate)	47.0	47.0	0	19.3	91	101.1	94.0	95.8
20	Funk Hybrid G84	47.6	47.4	.4	23.2	88	97.7	94.8	95.5
21	Illinois Hybrid 754	47.1	46.4	1.4	22.0	87	96.7	92.8	93.8
22	Illinois Hybrid 419	45.6	45.3	.6	20.6	92	102.2	90.6	93.5
23	Illinois Hybrid 753 (Sibley Estate)	46.0	45.3	1.6	25.6	85	94.4	90.6	91.6
24	Illinois Hybrid 543 (Shisler)	44.8	43.7	2.4	22.8	93	103.3	87.4	91.4
25	Sibley Estate Composite	41.5	40.8	1.7	22.8	63	70.0	81.6	78.7
Average of all entries		50.4	50.1	.8	21.8	90	....	....	....
Average of 17 hybrids and Station Yellow Dent		50.9	50.5	.8	21.7	91	....	....	....

Note.—The 17 hybrids averaged above with Station Yellow Dent, for comparison with "all entries," are the same 17 hybrids so averaged in Table 13, for the Urbana field. These averages then supply an interesting comparison of the performance of the hybrids on the two fields.

Table 13.—SOIL-ADAPTATION TEST: Urbana, Central Illinois

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—			
		Total	Sound				Erect plants	Sound yield	General perform.	
MUSCATINE SILT LOAM: Productivity high (Southwest rotation)										
		bu.	bu.	perct.	perct.	perct.	perct.	perct.		
1	Funk Hybrid G32.....	100.1	100.1	0	14.7	95	106.7	105.9	106.1	
2	Illinois Hybrid 960 (Holmes).....	101.1	100.9	.2	15.9	87	97.8	106.8	104.6	
3	Funk Hybrid G53.....	97.2	97.2	0	14.8	97	109.0	102.9	104.4	
4	Funk Hybrid 212.....	99.3	99.1	.2	15.0	90	101.0	104.9	104.0	
5	Illinois Hybrid 582 (Moews).....	99.1	98.9	.2	15.0	90	101.1	104.7	103.8	
6	Illinois Hybrid 360A (Crow).....	98.7	98.5	.2	14.9	91	102.2	104.2	103.7	
7	Illinois Hybrid 753 (Sibley Estate).....	100.2	100.1	.1	16.7	86	96.6	105.9	103.6	
8	Illinois Hybrid 546 (Morgan).....	95.5	95.3	.2	15.8	95	106.7	100.8	102.3	
9	Illinois Hybrid 419.....	95.1	94.9	.2	14.1	93	104.5	100.4	101.4	
10	Funk Hybrid G49.....	96.4	95.8	.6	15.8	87	97.8	101.4	100.5	
11	Funk Hybrid G75.....	94.4	94.1	.3	15.8	90	101.1	99.6	100.0	
12	Illinois Hybrid 588 (Sibley Estate).....	94.4	94.4	0	17.6	82	92.1	99.9	98.0	
13	Illinois Hybrid 945.....	89.9	89.9	0	16.4	90	101.1	95.1	96.6	
14	Illinois Hybrid 543 (Shissler).....	88.3	88.1	.2	15.9	94	105.6	93.2	96.3	
15	Illinois Hybrid 710 (Funk).....	91.1	90.7	.6	16.5	86	96.6	96.0	96.2	
16	Illinois Hybrid 172 (Sibley Estate).....	88.6	88.3	.3	15.2	88	98.9	93.4	94.8	
17	Illinois Hybrid 384 (Funk).....	86.5	86.2	.3	15.0	90	101.1	91.2	93.7	
18	●Station Yellow Dent.....	88.1	88.1	0	16.5	73	82.0	93.2	90.4	
Average.....		94.7	94.5	.2	15.6	89	....	....	....
MUSCATINE SILT LOAM: Productivity medium (South-Central rotation)										
		bu.	bu.	perct.	perct.	perct.	perct.	perct.		
1	Illinois Hybrid 588 (Sibley Estate).....	68.1	67.9	.3	17.1	93	98.9	116.3	112.0	
2	Illinois Hybrid 960 (Holmes).....	66.3	66.3	0	15.1	92	97.9	113.5	109.6	
3	Funk Hybrid 212.....	64.7	64.7	0	14.8	95	101.1	110.8	108.4	
4	Illinois Hybrid 582 (Moews).....	63.8	63.6	.3	15.0	96	102.1	108.9	107.2	
5	Illinois Hybrid 360A (Crow).....	63.8	63.4	.6	14.2	94	100.0	108.6	106.5	
6	Funk Hybrid G75.....	61.4	61.2	.3	14.7	91	96.8	104.8	102.8	
7	Illinois Hybrid 753 (Sibley Estate).....	61.1	60.9	.3	17.0	90	95.7	104.3	102.2	
8	Funk Hybrid G53.....	58.8	58.4	.6	14.7	96	102.1	100.0	100.5	
9	Funk Hybrid G32.....	56.9	56.7	.3	14.6	98	104.3	97.1	98.9	
10	Illinois Hybrid 419.....	57.5	57.4	.2	13.8	94	100.0	98.3	98.7	
11	Funk Hybrid G49.....	57.2	56.9	.5	15.4	94	100.0	97.4	98.1	
12	Illinois Hybrid 546 (Morgan).....	56.2	55.9	.6	14.7	94	100.0	95.7	96.8	
13	Illinois Hybrid 172 (Sibley Estate).....	55.6	55.3	.6	13.8	97	103.2	94.7	96.8	
14	Illinois Hybrid 945.....	56.0	55.7	.6	14.2	94	100.0	95.4	96.6	
15	Illinois Hybrid 710 (Funk).....	53.7	53.5	.4	16.4	94	100.0	91.6	93.7	
16	Illinois Hybrid 384 (Funk).....	51.1	51.0	.1	13.9	97	103.2	87.3	91.3	
17	Illinois Hybrid 543 (Shissler).....	51.7	51.4	.6	14.7	95	101.1	88.0	91.0	
18	●Station Yellow Dent.....	52.0	51.7	.6	15.6	86	91.5	88.5	89.3	
Average.....		58.7	58.4	.4	15.0	94	....	....	....

The results in these soil adaptation tests at Sibley and Urbana illustrate strikingly the necessity of using good soil on which to plant hybrid corn. Furthermore they drive home the fact that if farmers are to continue to benefit from high-yielding hybrids they must attend to their fertility problems as never before, for if yields are better with hybrids than with ordinary corn there will be more fertility taken out of the soil, and yields can be maintained only by replacing the used fertility.

Table 14.—TWO-YEAR SUMMARY, NORTHERN ILLINOIS: Performance of Hybrid Entries Grown in Both 1936 and 1937

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	DeKalb Hybrid 404.....	77.4	76.8	.94	20.7	77.6	113.5	112.0	112.4
2	DeKalb Hybrid 421.....	75.9	74.7	1.87	21.4	70.1	102.6	108.9	107.3
3	DeKalb Hybrid 433.....	73.4	72.6	1.23	21.5	70.7	103.4	105.9	105.3
4	Pioneer Hi-Bred 311.....	73.6	71.3	3.67	19.6	72.0	105.3	104.0	104.3
5	Illinois Hybrid 368.....	71.4	70.1	2.08	21.7	73.8	108.0	102.2	103.7
6	Illinois Hybrid 751.....	70.5	69.1	2.25	22.0	75.0	109.7	100.8	103.0
7	Pioneer Hi-Bred 335.....	70.0	68.4	2.53	20.6	76.0	111.2	99.7	102.6
8	Pioneer Hi-Bred 315.....	74.1	73.0	1.75	20.6	61.3	89.7	106.5	102.3
9	DeKalb Hybrid 203.....	70.3	69.7	1.00	19.7	70.2	102.7	101.6	101.9
10	DeKalb Hybrid 492.....	70.5	69.7	1.27	22.0	69.4	101.5	101.6	101.6
11	Illinois Hybrid 366.....	70.6	69.1	2.50	23.3	70.3	102.8	100.8	101.3
12	DeKalb Hybrid 493.....	69.3	68.9	.84	20.9	70.3	102.8	100.5	101.1
13	DeKalb Hybrid 435.....	67.7	67.2	.75	21.5	72.8	106.5	98.0	100.1
14	Illinois Hybrid 586.....	67.9	66.6	.78	22.0	69.7	102.0	97.1	98.3
15	DeKalb Hybrid 419.....	68.7	68.0	1.28	20.9	64.9	94.9	99.2	98.1
16	Pioneer Hi-Bred 323.....	69.0	67.4	2.72	19.9	63.8	93.3	98.3	97.1
17	Eckhardt Western Plowman.....	61.2	60.2	1.92	20.6	57.7	84.4	87.8	87.0
18	Gunn Western Plowman.....	60.4	59.7	1.35	20.6	59.1	86.5	87.1	87.0
19	Webb Will County Favorite.....	61.6	60.5	2.23	22.1	54.2	79.3	88.2	86.0
	Average of 5 best open-pollinated var...	60.5	59.3	2.49	21.6	56.0	81.9	86.5	85.4
	Average of all entries.....	69.7	68.6	1.73	21.1	68.4	....	....	....

Table 15.—TWO-YEAR SUMMARY, NORTH-CENTRAL ILLINOIS: Performance of Hybrid Entries Grown in Both 1936 and 1937

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Moisture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	U. S. Hybrid 44 (Moews).....	76.1	75.4	1.05	18.1	72.5	107.1	109.1	108.6
2	Moews Hybrid 10.....	74.2	73.8	.69	17.6	76.0	112.3	106.8	108.2
3	Funk Hybrid 212.....	74.9	74.2	1.09	17.6	75.1	109.6	107.4	108.0
4	U. S. Hybrid 45 (Moews).....	77.2	75.6	2.72	19.1	67.9	100.3	109.4	107.1
4	Illinois Hybrid 546.....	72.2	71.2	1.81	18.0	80.8	119.4	103.0	107.1
6	U. S. Hybrid 61 (Moews).....	74.2	73.6	.91	17.3	71.4	105.5	106.5	106.3
7	Illinois Hybrid 960.....	75.7	75.3	.87	18.2	66.3	97.9	109.0	106.2
8	Illinois Hybrid 582.....	75.7	75.0	.95	18.1	67.0	99.0	108.5	106.1
9	Illinois Hybrid 366.....	73.3	72.9	.75	17.7	70.3	103.8	106.5	105.8
10	Illinois Hybrid 360.....	72.6	72.0	.87	18.1	71.7	105.9	104.2	104.6
11	Iowa Hybrid 25.....	71.5	70.7	1.34	18.9	69.7	103.0	102.3	102.5
12	Illinois Hybrid 751.....	69.6	69.1	.67	17.5	73.4	108.4	100.0	102.1
13	Illinois Hybrid 172 (Moews).....	70.0	69.6	.63	17.4	69.4	102.5	100.7	101.2
14	Illinois Hybrid 936.....	69.7	69.1	1.23	19.3	68.1	100.6	100.0	100.2
15	Pioneer Hi-Bred 311A.....	71.9	68.4	6.47	16.4	68.7	101.5	99.0	99.6
16	Iowa Hybrid C.....	69.8	69.0	1.36	18.1	66.2	97.8	99.9	99.4
17	Pioneer Hybrid 4857.....	69.9	69.5	.70	17.0	63.9	94.4	100.6	99.1
18	Illinois Hybrid 384.....	65.1	64.7	.74	18.1	72.2	106.6	93.6	96.9
19	Pioneer Hi-Bred 311.....	67.5	64.1	6.51	17.2	71.5	105.6	92.8	96.0
20	Illinois-Iowa Hybrid 25.....	67.6	66.2	2.51	18.4	62.2	91.9	95.8	94.8
21	Illinois Hybrid 570.....	65.4	64.8	1.01	17.2	64.3	95.0	93.8	94.1
22	Pioneer Hi-Bred 308.....	69.5	66.7	4.52	17.8	58.5	86.4	96.5	94.0
23	Iowa Hybrid 20.....	64.1	63.7	.52	17.9	63.7	94.1	92.2	92.7
24	McKeighan Yellow Dent.....	62.3	61.6	1.63	20.2	58.2	86.0	89.1	88.3
25	Roeschley Yellow Dent.....	61.4	60.6	1.52	19.5	55.7	82.3	87.7	86.4
26	Station Yellow Dent.....	60.9	60.2	1.37	20.1	54.9	81.1	87.1	85.6
	Average of 5 best open-pollinated var...	60.9	60.0	1.92	19.3	54.1	79.9	86.8	85.1
	Average of all entries.....	70.1	69.1	1.70	18.1	67.7	....	....	....

Table 16.—TWO-YEAR SUMMARY, CENTRAL ILLINOIS: Performance of Hybrid Entries Grown in Both 1936 and 1937

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 960.....	75.7	75.1	.90	17.8	78.8	105.8	114.2	112.1
2	Moews Hybrid 10.....	71.1	70.2	1.58	17.0	87.4	117.3	106.7	109.4
3	Funk Hybrid 212.....	72.3	71.5	1.27	17.2	80.2	107.7	108.7	108.5
4	Illinois Hybrid 582.....	73.0	72.3	1.16	17.8	77.3	103.8	109.9	108.4
5	Funk Hybrid 244.....	71.9	71.3	1.04	17.8	76.1	102.1	108.4	106.8
6	Illinois Hybrid 546.....	69.2	68.1	2.26	18.4	86.1	115.6	103.5	106.5
7	Illinois Hybrid 360.....	70.6	70.0	1.29	17.6	77.9	104.6	106.4	106.0
8	U. S. Hybrid 61 (Moews).....	69.6	68.9	1.17	16.9	80.1	107.5	104.8	105.5
9	Iowa Hybrid 311A.....	68.8	67.9	1.53	17.8	81.1	108.9	103.2	104.6
10	Illinois Hybrid 360A (Crow).....	69.0	68.2	1.21	16.5	78.6	105.5	103.7	104.2
11	Illinois Hybrid 753.....	69.7	69.0	1.21	19.0	73.7	98.9	104.9	103.4
12	Iowa Hybrid 25.....	67.0	66.4	.86	17.2	76.9	103.2	101.0	101.6
13	Pioneer Hi-Bred 311A.....	67.5	65.2	4.20	16.4	79.8	107.1	99.1	101.1
14	Illinois Hybrid 543 (Shissler).....	66.4	65.6	1.50	17.7	77.0	103.4	99.7	100.6
15	Illinois Hybrid 391.....	67.2	66.2	2.05	19.1	71.7	96.2	100.7	99.6
16	Iowa Hybrid CA.....	63.6	63.0	.98	17.3	81.0	108.7	95.8	99.0
17	Pioneer Hi-Bred 311.....	65.3	63.6	3.00	16.0	78.6	105.5	96.7	98.9
18	Iowa Hybrid 710.....	66.6	65.6	1.94	19.2	70.3	94.4	99.7	98.5
19	Illinois-Iowa Hybrid 25.....	66.3	65.1	2.28	17.8	72.0	96.6	99.0	98.4
20	Iowa Hybrid CC.....	62.0	61.2	1.82	18.5	75.4	101.2	93.1	95.1
21	Illinois Hybrid 384.....	61.2	60.6	1.30	17.2	75.3	101.1	92.1	94.4
22	Pioneer Hi-Bred 308.....	63.0	60.6	4.23	18.4	65.0	87.2	92.1	90.9
23	Canterbury Yellow Dent.....	61.4	60.9	1.25	20.2	62.5	83.9	92.6	90.4
24	Funk Hybrid 220L.....	58.6	57.9	1.62	18.3	69.0	92.6	88.0	89.2
25	Station Yellow Dent.....	58.8	58.2	1.70	19.7	62.1	83.4	88.5	87.2
26	Mountain Utility Dent.....	57.8	57.4	1.35	18.3	56.5	75.8	87.3	84.4
	Average of 5 best open-pollinated var... ..	58.4	57.9	1.44	19.1	60.2	80.8	88.0	86.2
	Average of all entries.....	66.4	65.8	1.71	17.9	74.5	....	....	....

Table 17.—TWO-YEAR SUMMARY, SOUTH-CENTRAL ILLINOIS: Performance of Hybrid Entries Grown in Both 1936 and 1937

Rank	Entry	Acre-yield		Damaged corn in shelled sample	Mois- ture in grain at harvest	Erect plants	Rating for—		
		Total	Sound				Erect plants	Sound yield	General perform.
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 960.....	71.7	71.4	.96	15.8	68.8	103.8	114.6	111.9
2	Funk Hybrid 244.....	70.4	70.1	.88	16.3	70.5	106.3	112.5	111.0
3	Illinois Hybrid 582.....	66.8	66.1	1.78	16.7	71.4	107.7	106.1	106.5
4	Illinois Hybrid 46.....	64.5	63.1	1.12	14.5	73.5	110.9	101.3	103.7
5	Illinois Hybrid 710.....	62.9	62.1	2.30	16.6	65.5	98.8	99.6	99.4
6	Funk Hybrid 207.....	61.5	60.9	2.04	16.3	68.7	103.6	97.7	99.2
7	Illinois Hybrid 538.....	59.8	59.4	1.44	18.9	68.7	103.6	95.3	97.4
8	Funk Hybrid 220L.....	59.1	58.6	1.49	16.0	69.5	104.8	94.0	96.7
9	Bunning White Dent.....	58.5	58.3	1.89	17.4	58.9	88.8	93.5	92.3
10	Rice White Dent.....	59.1	58.8	.96	17.7	55.4	83.6	94.4	91.7
11	Station Yellow Dent.....	57.3	56.7	2.08	17.5	58.4	88.1	91.0	90.3
	Average of 5 best open-pollinated var... ..	57.1	56.8	1.51	17.9	56.6	85.4	91.1	89.7
	Average of all entries.....	62.9	62.3	1.54	19.4	66.3	....	....	....

LOCATION OF 1937 TEST FIELDS



On 21 fields were grown 30 open-pollinated corn varieties and 302 hybrids in the 1937 tests. The comparative performance of hybrids and open-pollinated varieties is summarized on pages 357-360; detailed data are given in the tables.

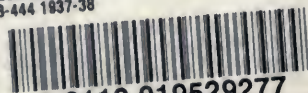
Readers are warned against attaching undue importance to small differences in rank or yield of entries. The text on page 357 explains how large such differences must be in order to be significant.



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